

**Datasheet for 200-401-933****RNF34 Antibody****Overview**

|                      |                                            |
|----------------------|--------------------------------------------|
| <b>Description:</b>  | Anti-RNF34 (RABBIT) Antibody - 200-401-933 |
| <b>Item No.:</b>     | 200-401-933                                |
| <b>Size:</b>         | 500 µg                                     |
| <b>Applications:</b> | ELISA, WB                                  |
| <b>Reactivity:</b>   | Human                                      |
| <b>Host Species:</b> | Rabbit                                     |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>   | This antibody is designed, produced, and validated as part of a collaboration between Rockland and the National Cancer Institute (NCI). RNF34, also known as RING finger protein 34, RING finger protein RIFF, FYVE-RING finger protein Momo, Human RING finger homologous to inhibitor of apoptosis protein, hRFI, Caspases-8 and -10-associated RING finger protein 1, CARP-1 and Caspase regulator CARP1, is a novel modulator of NF-κB activation. RNF34 possesses E3 ubiquitin protein ligase activity and has been shown to directly and indirectly regulate the levels of p53/TP53 through ubiquitination, targeting to proteasomal degradation and degradation of SFN. Anti-RNF34 Antibody is useful for researcher interested in Immunology, p53 regulation, Transcription, and Nuclear Signaling research. |
| <b>Synonyms:</b>     | rabbit anti-RNF34 Antibody, rabbit anti-RNF 34 Antibody, Caspase regulator CARP1 antibody, CARP 1 antibody, hRFI antibody, RFI antibody, RIFF antibody, Ring finger protein 34 antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

**Target Details**

|                        |                     |
|------------------------|---------------------|
| <b>Gene Name:</b>      | RNF34               |
| <b>Reactivity:</b>     | Human               |
| <b>Immunogen Type:</b> | Recombinant Protein |

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Immunogen:</b>          | This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a recombinant protein corresponding to amino acids 1-373 of human RNF34 protein.                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Purity/Specificity:</b> | This protein A purified antibody is directed against human RNF34 protein. The product was purified from monospecific antiserum by protein A chromatography followed by exhaustive dialysis against the buffer stated above. A BLAST analysis was used to suggest cross-reactivity with RNF34 protein from orangutan (99%), bovine (91%), dog (89%), mouse (88%) and rat (85%) based on a high degree of protein:protein homology with the immunizing sequence. Expect reactivity with isoform 1 and 2 of RNF34. Reactivity against homologues from other sources is not known. |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"><li>• <a href="#">UniProtKB - Q969K3</a></li><li>• <a href="#">NCBI - 37595539</a></li><li>• <a href="#">GenelD - 80196</a></li></ul>                                                                                                                                                                                                                                                                                                                                                                                                        |

## Application Details

|                             |                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tested Applications:</b> | ELISA, WB                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Application Note:</b>    | This protein A purified antibody has been tested for use in ELISA and western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 42 kDa in size corresponding to RNF34 protein by western blotting in the appropriate tissue or cell lysate or extract. Isoforms 1 and 2, which are equivalent in size, should both cross-react with this antibody. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                                                                                                                                                                            |
| <b>ELISA:</b>               | 1:4,000 - 1:20,000                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>IF:</b>                  | User Optimized                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>WB:</b>                  | 1:500 - 1:3,000                                                                                                                                                                                                                                                                                                                                                                                            |

## Formulation

|                               |                                                            |
|-------------------------------|------------------------------------------------------------|
| <b>Physical State:</b>        | Lyophilized                                                |
| <b>Concentration:</b>         | 5.0 mg/mL by UV absorbance at 280 nm                       |
| <b>Buffer:</b>                | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| <b>Preservative:</b>          | 0.01% (w/v) Sodium Azide                                   |
| <b>Stabilizer:</b>            | None                                                       |
| <b>Reconstitution Volume:</b> | 500 µL                                                     |

**Reconstitution Buffer:** Restore with deionized water (or equivalent)

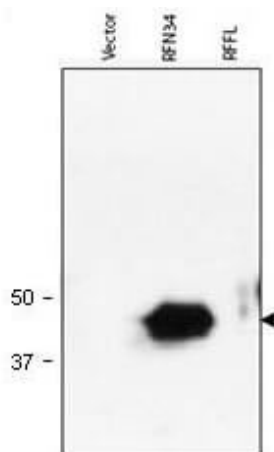
## Shipping & Handling

**Shipping Condition:** Ambient

**Storage Condition:** Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

**Expiration:** Expiration date is one (1) year from date of receipt.

## Images



### Western Blot

Western blot using Rockland's Protein A Purified anti-RNF34 antibody shows detection of human RNF34 (arrowhead) in lysate. Lanes corresponding to empty vector 293T cell lysate (mock, left); RNF34 transfected lysate (middle) and RFL transfected lysate (right), are shown using 20 µl of lysate per lane. Lysates were prepared from equivalent numbers of cells. Data presented demonstrate that this reagent is specific for RNF34. After SDS-PAGE and transfer, the membrane was probed with the primary antibody diluted to 1:1,000 using 5% BLOTTO, 0.1% Tween-20 in PBS as the diluent. Incubation occurred for 1 h at room temperature. Personal Communication, Srinivasa Srinivasula, CCR-NCI, Bethesda, MD.

## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.