

Datasheet for 600-401-969**RNF25 Antibody****Overview**

Description:	Anti-RNF25 (RABBIT) Antibody - 600-401-969
Item No.:	600-401-969
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	This antibody is designed, produced, and validated as part of a collaboration between Rockland and the National Cancer Institute (NCI) and is suitable for Cancer, Immunology and Nuclear Signaling research. RING finger protein 25 (RNF25, also named AO7) contains a RING finger domain and is ubiquitously expressed in various tissues. RNF25 was initially identified in a yeast two-hybrid screen of a murine T-cell library by using Ubch5b, an E2 enzyme, as bait. RNF25 has also been shown to act as a putative E3 ligase, at least in vitro. RNF25 localizes predominantly in the nucleus and supports the transcriptional activity of NF-κB by interacting with p65 in vivo upon stimulation with TNF. Yeast two-hybrid data also suggest that RNF25 interacts with a number of other molecules which may be potential ubiquitin ligase substrates. Among these are molecules that have critical roles in signal transduction and in regulation of translation (personal communication, Allan Weissman, CCR-NCI, Bethesda, MD).
Synonyms:	rabbit anti-Rnf25 antibody, E3 ubiquitin protein ligase RNF25 antibody, Ring finger protein 25 antibody, RING-type E3 ubiquitin transferase Rnf25 antibody, RNF 25, RNF-25
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	RNF25
Reactivity:	Human, Mouse

Immunogen Type:	Conjugated Peptide
Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to amino acids near the carboxyl terminus of human RNF25 protein.
Purity/Specificity:	This affinity purified antibody is directed against human RNF25 protein. The product was affinity purified from monospecific antiserum by immunoaffinity chromatography. The antibody also recognizes mouse RNF25 protein. Reactivity against homologues from other sources has not been determined.
Relevant Links:	• UniProtKB - Q96BH1 • NCBI - 34878787 • GenelD - 64320

Application Details

Tested Applications:	ELISA, WB
Application Note:	This affinity purified antibody has been tested for use in ELISA, western blot and immunoprecipitation. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 54 kDa in size corresponding to RNF25 protein by western blotting in the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:40,000
IP:	1 mg
WB:	1:200 - 1:2,000

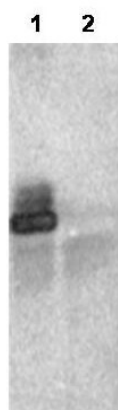
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.1 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

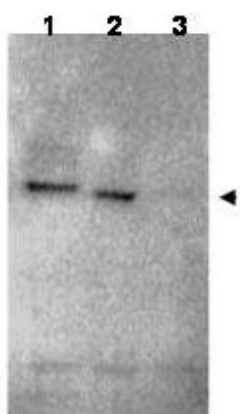
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several 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



Immunoprecipitation

1 µg of Rockland's affinity purified anti-RNF25 was used in immunoprecipitation of 20 µg HEK293 cell lysate over-expressing HA-tagged human RNF25 (lane 1) or vector only control (lane 2). The precipitated complex was loaded onto a gel, followed by electrophoresis and transfer to nitrocellulose. The membrane was probed with anti-HA tag antibody. Personal Communication, Allan Weissman, CCR-NCI, Bethesda, MD.



Western Blot

Western blot using Rockland's affinity purified anti-RNF25 antibody shows detection of RNF25 (arrow head) in HEK293 cells over-expressing human RNF25 (lane 1) or mouse RNF25 (lane 2). Lane 3 is a vector only control. The extracts were loaded onto a gel, followed by electrophoresis and transfer to nitrocellulose. The membrane was probed with the primary antibody diluted to 1:1,000. Personal Communication, Allan Weissman, 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.