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Datasheet for 200-401-932

RFFL Antibody

Overview

Description:	Anti-RFFL (RABBIT) Antibody - 200-401-932
Item No.:	200-401-932
Size:	500 µg
Applications:	IHC, WB
Reactivity:	Human
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). RFFL, also known as Rififylin, RING finger and FYVE-like domain-containing protein 1, FYVE-RING finger protein, Sakura, Fring, Caspases-8 and -10-associated RING finger protein 2, CARP-2, Caspase regulator CARP2, RING finger protein 189 and RING finger protein 34-like, is a novel modulator of NF-kB activation. RFFL possesses E3 ubiquitin protein ligase activity and has been shown to regulate the levels of CASP8 and CASP10 by targeting them for proteasomal degradation. RFFL also possesses anti-apoptotic activity and may bind phosphatidylinositol phosphates. RFFL is a membrane bound cytoplasmic protein that is expressed ubiquitously. RFFL can be detected in spleen, thymus, prostate, testis, ovary, small intestine, colon and peripheral blood leukocytes and is rapidly degraded after stimulation with TNFSF10, and probably by caspases. Multiple transcript variants have been detected for this protein. Anti-RFFL Antibody is useful for researcher interested in Cancer, Immunology, transcription, and TNF-alpha/NF-kB research.
Synonyms:	rabbit anti-RFFL antibody, Rififylin, RING finger and FYVE-like domain-containing protein 1, FYVE-RING finger protein, Sakura, Fring, Caspases-8 and -10-associated RING finger protein 2, CARP-2, Caspase regulator CARP2, RING finger protein 189 and RING finger protein 34-like
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	RFFL

Reactivity:	Human
Immunogen Type:	Recombinant Protein
Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a recombinant protein corresponding to amino acids 1-363 of human RFFL protein.
Purity/Specificity:	This protein A purified antibody is directed against human RFFL protein. The product was purified from monospecific antiserum by protein A chromatography followed by exhaustive dialysis against the buffer stated above.
Relevant Links:	• NCBI - 17432433 • UniProtKB - Q8WZ73 • NCBI - Q8WZ73.1 • GeneID - 117584

Application Details

Tested Applications:	IHC, WB
Application Note:	This protein A purified antibody has been tested for use in ELISA, immunohistochemistry and western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 41 kDa in size corresponding to RFFL protein by western blotting in the appropriate tissue or cell lysate or extract. Isoforms 2 and 3 are 39.7 and 36.6 kDa, respectively and should also cross react with this antibody.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:4,000 - 1:20,000
IHC:	1:500 - 1:3,000
WB:	1:500 - 1:3,000

Formulation

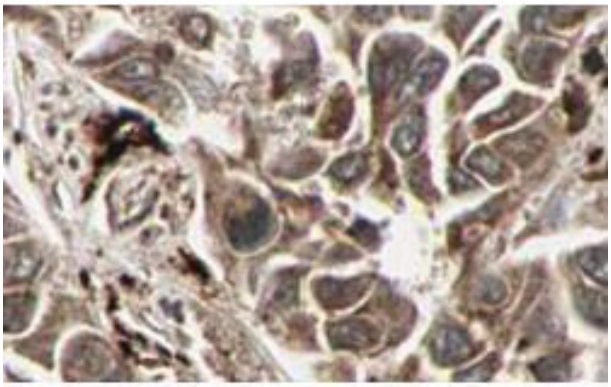
Physical State:	Lyophilized
Concentration:	5.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Reconstitution Volume:	500 µL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

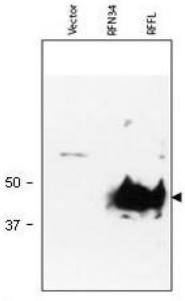
Shipping & Handling

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



Immunohistochemistry
Rockland's Affinity Purified anti-RFFL antibody shows strong cytoplasmic and membranous staining of tumor cells in cancerous human liver tissue. Tissue was formalin-fixed and paraffin embedded. Brown color indicates presence of protein, blue color shows cell nuclei. Personal Communication, Kenneth Wester, www.proteinatlas.org, Uppsala, Sweden.



Western Blot
Western blot using Rockland's Protein A Purified anti-RFFL antibody shows detection of RFFL (arrowhead) in lysate. Lanes correspond to empty vector 293T cell lysate (mock, left); RNF34 transfected lysate (middle) and RFFL 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 RFFL. 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.

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