

Anti-RFFL (RABBIT) Antibody - 200-401-932

Code: 200-401-932

Size: 500 µg

Product Description: Anti-RFFL (RABBIT) Antibody - 200-401-932

Concentration: 5.0 mg/mL by UV absorbance at 280 nm

PhysicalState: Lyophilized

Label	Unconjugated
Host	Rabbit
Gene Name	RFFL
Species Reactivity	human
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide
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.
Synonyms	RFFL, 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
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.
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. 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-κB 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.
Purity And 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. A BLAST
Assay Dilutions	User Optimized
ELISA	1:4,000 - 1:20,000
Immunohistochemistry	1:500 - 1:3,000
WESTERN BLOT	1:500 - 1:3,000
IHC	1:500 - 1:3,000
OTHER ASSAYS	User Optimized
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.
General Reference	<p>Coumailleau F, Das V, Alcover A, Raposo G, Vandormael-Pournin S, Le Bras S, Baldacci P, Dautry-Varsat A, Babinet C, Cohen-Tannoudji M. (2004) Over-expression of Rififylin, a new RING finger and FYVE-like domain-containing protein, inhibits recycling from the endocytic recycling compartment. <i>Mol Biol Cell</i> 15(10):4444-56.</p> <p>McDonald, E.R. III and El-Deiry, W.S. (2004) Suppression of caspase-8- and -10-associated RING proteins results in sensitization to death ligands and inhibition of tumor cell growth. <i>Proc. Natl. Acad. Sci. U.S.A.</i> 101 (16), 6170-6175.</p>

Tibbetts,M.D., Shiozaki,E.N., Gu,L., McDonald,E.R. III, El-Deiry,W.S. and Shi,Y. (2004) Crystal structure of a FYVE-type zinc finger domain from the caspase regulator CARP2. Structure (Camb.) 12 (12), 2257-2263.

Related Products

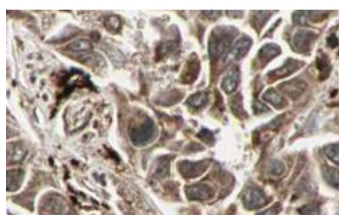
200-401-A34	Anti-Survivin (RABBIT) Antibody - 200-401-A34
600-401-268	Anti-AKT pS473 (RABBIT) Antibody - 600-401-268
600-401-964	Anti-Pdcd4 pS457 (RABBIT) Antibody - 600-401-964
600-401-966	Anti-DAXX (RABBIT) Antibody - 600-401-966

Related Links

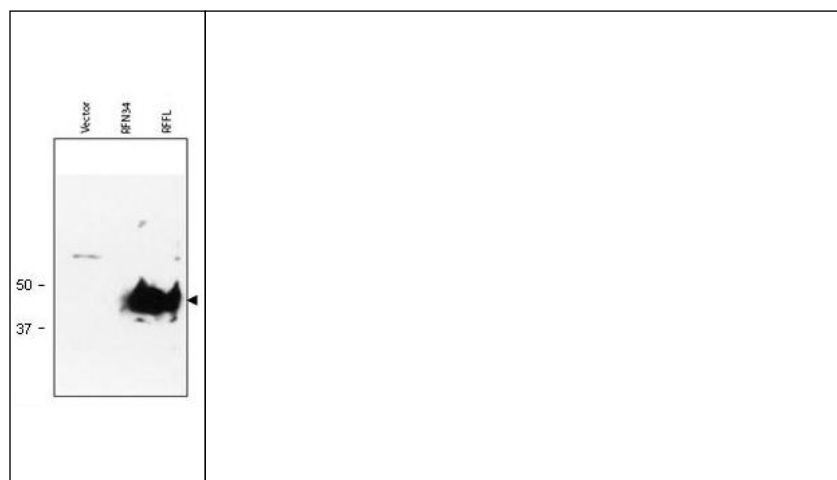
NCBI	http://www.ncbi.nlm.nih.gov/protein/17432433
UniProtKB	http://www.uniprot.org/uniprot/Q8WZ73
NCBI - Q8WZ73.1	http://www.ncbi.nlm.nih.gov/protein/Q8WZ73.1
UniProt - Q8WZ73	http://www.uniprot.org/uniprot/Q8WZ73
Gene ID - 117584	http://www.ncbi.nlm.nih.gov/gene/117584

Images

- 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 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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