10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

RING finger protein 189 Rabbit pAb

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Catalog # AP58540

Product Information

Application	WB
Primary Accession	Q8WZ73
Reactivity	Pig, Human, Rabbit, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40514
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RING finger protein 189
Epitope Specificity	251-363/363
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm. Membrane; Peripheral membrane protein.
SIMILARITY	Contains 1 FYVE-type zinc finger. Contains 1 RING-type zinc finger. Contains 2 SAP domains.
SUBUNIT	Binds CASP8 and CASP10.
Post-translational modifications	Rapidly degraded after stimulation with TNFSF10, probably by caspases. Auto-ubiquitinated (in vitro).Palmitoylated.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Has E3 ubiquitin protein ligase activity. Regulates the levels of CASP8 and CASP10 by targeting them for proteasomal degradation. Has anti-apoptotic activity. May bind phosphatidylinositol phosphates.

Additional Information

Gene ID	117584
Other Names	E3 ubiquitin-protein ligase rififylin, 2.3.2.27, Caspase regulator CARP2, Caspases-8 and -10-associated RING finger protein 2, CARP-2, FYVE-RING finger protein Sakura, Fring, RING finger and FYVE-like domain-containing protein 1, RING finger protein 189, RING finger protein 34-like, RING-type E3 ubiquitin transferase rififylin, RFFL (HGNC:24821), RNF189, RNF34L
Target/Specificity	Ubiquitous. Detected in spleen, thymus, prostate, testis, ovary, small intestine, colon and peripheral blood leukocytes.
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

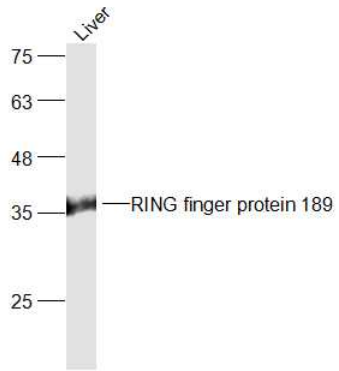
Protein Information

Name	RFFL (HGNC:24821)
Synonyms	RNF189, RNF34L
Function	E3 ubiquitin-protein ligase that regulates several biological processes through the ubiquitin-mediated proteasomal degradation of various target proteins. Mediates 'Lys-48'-linked polyubiquitination of PRR5L and its subsequent proteasomal degradation thereby indirectly regulating cell migration through the mTORC2 complex. Ubiquitinates the caspases CASP8 and CASP10, promoting their proteasomal degradation, to negatively regulate cell death downstream of death domain receptors in the extrinsic pathway of apoptosis. Negatively regulates the tumor necrosis factor-mediated signaling pathway through targeting of RIPK1 to ubiquitin-mediated proteasomal degradation. Negatively regulates p53/TP53 through its direct ubiquitination and targeting to proteasomal degradation. Indirectly, may also negatively regulate p53/TP53 through ubiquitination and degradation of SFN. May also play a role in endocytic recycling.
Cellular Location	Cytoplasm, cytosol. Cell membrane; Peripheral membrane protein. Recycling endosome membrane; Peripheral membrane protein. Note=The FYVE-type zinc finger may mediate phosphatidylinositol phosphate-binding and control subcellular localization
Tissue Location	Ubiquitous. Detected in spleen, thymus, prostate, testis, ovary, small intestine, colon and peripheral blood leukocytes

Background

Has E3 ubiquitin protein ligase activity. Regulates the levels of CASP8 and CASP10 by targeting them for proteasomal degradation. Has anti-apoptotic activity. May bind phosphatidylinositol phosphates.

Images



Sample:
Liver (Mouse) Lysate at 40 ug
Primary: Anti-RING finger protein 189 (AP58540) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 40 kD
Observed band size: 40 kD