

# RING finger protein 189 Rabbit pAb

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Catalog # AP58540

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q8WZ73</a>
<b>Reactivity</b>	Human, Mouse
<b>Predicted</b>	Rat, Dog, Pig, Rabbit, Sheep
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	40514
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human RING finger protein 189
<b>Epitope Specificity</b>	251-363/363
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SUBCELLULAR LOCATION</b>	Cytoplasm. Membrane; Peripheral membrane protein.
<b>SIMILARITY</b>	Contains 1 FYVE-type zinc finger. Contains 1 RING-type zinc finger. Contains 2 SAP domains.
<b>SUBUNIT</b>	Binds CASP8 and CASP10.
<b>Post-translational modifications</b>	Rapidly degraded after stimulation with TNFSF10, probably by caspases. Auto-ubiquitinated (in vitro).Palmitoylated.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>Background Descriptions</b>	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

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<b>Gene ID</b>	117584
<b>Other Names</b>	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 ( <a href="#">HGNC:24821</a> ), RNF189, RNF34L
<b>Target/Specificity</b>	Ubiquitous. Detected in spleen, thymus, prostate, testis, ovary, small intestine, colon and peripheral blood leukocytes.
<b>Dilution</b>	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**

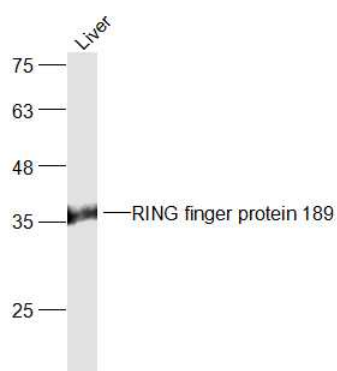
Cytoplasm, cytosol. Cell membrane; Peripheral membrane protein. Recycling endosome membrane; Peripheral membrane protein. Note=The FYVE-type zinc finger may mediate phosphatidylinositol phosphate-binding and control subcellular localization

**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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.