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RFFL Antibody(C-term) Blocking peptide

Synthetic peptide
Catalog # BP19448b

Specification

RFFL Antibody(C-term) Blocking peptide - Product Information

Primary Accession Q8WZ73

RFFL Antibody(C-term) Blocking peptide - Additional Information

Gene ID 117584

Other Names
E3 ubiquitin-protein ligase rififylin, 632-, 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, RFFL (HGNC:24821), RNF189, RNF34L

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RFFL Antibody(C-term) Blocking peptide - 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

RFFL Antibody(C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

RFFL Antibody(C-term) Blocking peptide - Images

RFFL Antibody(C-term) Blocking peptide - Background

RFFL 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.

RFFL Antibody(C-term) Blocking peptide - References

Shimada, M., et al. Hum. Genet. 128(4):433-441(2010)Hosgood, H.D. III, et al. Occup Environ Med 66(12):848-853(2009)Newton-Cheh, C., et al. Nat. Genet. 41(4):399-406(2009)Liao, W., et al. Curr. Biol. 18(9):641-649(2008)Yang, W., et al. Cell Cycle 7(5):670-682(2008)