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

RNF34 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16633b

Specification

RNF34 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q969K3

RNF34 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 80196

Other Names
E3 ubiquitin-protein ligase RNF34, 632- {ECO:0000269|PubMed:25012219, ECO:0000269|Ref13}, Caspase regulator CARP1, Caspases-8 and -10-associated RING finger protein 1, CARP-1, FYVE-RING finger protein Momo, RNF34 (HGNC:17297)

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.

RNF34 Antibody (C-term) Blocking Peptide - Protein Information

Name RNF34 (HGNC:17297)

Function
E3 ubiquitin-protein ligase that regulates several biological processes through the ubiquitin-mediated proteasomal degradation of various target proteins. 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 (PubMed:15069192). May mediate 'Lys-48'-linked polyubiquitination of RIPK1 and its subsequent proteasomal degradation thereby indirectly regulating the tumor necrosis factor-mediated signaling pathway (Ref.13). Negatively regulates p53/TP53 through its direct ubiquitination and targeting to proteasomal degradation (PubMed:17121812). Indirectly, may also negatively regulate p53/TP53 through ubiquitination and degradation of SFN (PubMed:18382127). Mediates PPARGC1A proteasomal degradation probably through ubiquitination thereby indirectly regulating the metabolism of brown fat cells (PubMed:22064484). Possibly

involved in innate immunity, through 'Lys-48'-linked polyubiquitination of NOD1 and its subsequent proteasomal degradation (PubMed:25012219).

Cellular Location
Cell membrane; Peripheral membrane protein. Endomembrane system {ECO:0000250|UniProtKB:Q6AYH3}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q6AYH3}. Nucleus Nucleus speckle. Cytoplasm, cytosol

Tissue Location
Ubiquitous. Detected in heart, brain, liver, skeletal muscle, kidney, pancreas, spleen, thymus, prostate, testis, ovary, colon and leukocytes.

RNF34 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

RNF34 Antibody (C-term) Blocking Peptide - Images

RNF34 Antibody (C-term) Blocking Peptide - Background

The protein encoded by this gene contains a RINF finger, amotif known to be involved in protein-protein and protein-DNAinteractions. This protein interacts with DNAJA3/hTid-1, which is aDnaJ protein reported to function as a modulator of apoptosis.Overexpression of this gene in Hela cells was shown to confer theresistance to TNF-alpha induced apoptosis, suggesting ananti-apoptotic function of this protein. This protein can becleaved by caspase-3 during the induction of apoptosis.Alternatively spliced transcript variants encoding distinctisoforms have been reported.

RNF34 Antibody (C-term) Blocking Peptide - References

Erlbruch, A., et al. Proteomics 10(16):2890-2900(2010)Yang, W., et al. Cell Cycle 7(5):670-682(2008)Yang, W., et al. J. Biol. Chem. 282(5):3273-3281(2007)Konishi, T., et al. Mol. Cancer Ther. 4(5):743-750(2005)Sasaki, S., et al. J. Exp. Clin. Cancer Res. 23(3):507-512(2004)