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RNF34 / RFI (internal) Antibody (internal region)

Peptide-affinity purified goat antibody
Catalog # AF2766a

Specification

RNF34 / RFI (internal) Antibody (internal region) - Product Information

Application	**E**
Primary Accession	Q969K3
Other Accession	NP_919247.1, NP_079402.2, 80196, 80751 (mouse), 282845 (rat)
Predicted	**Human, Mouse, Rat, Dog, Cow**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**41641**

RNF34 / RFI (internal) Antibody (internal region) - Additional Information

Gene ID 80196

Other Names
E3 ubiquitin-protein ligase RNF34, 6.3.2.- {ECO:0000269|PubMed:25012219, ECO:0000269|Ref.13}, Caspase regulator CARP1, Caspases-8 and -10-associated RING finger protein 1, CARP-1, FYVE-RING finger protein Momo, RNF34 (HGNC:17297)

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
RNF34 / RFI (internal) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

RNF34 / RFI (internal) Antibody (internal region) - 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 / RFI (internal) Antibody (internal region) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RNF34 / RFI (internal) Antibody (internal region) - Images

RNF34 / RFI (internal) Antibody (internal region) - Background

This antibody is expected to recognize both reported isoforms (NP_919247.1; NP_079402.2).

RNF34 / RFI (internal) Antibody (internal region) - References

Overexpression of hRFI (human ring finger homologous to inhibitor of apoptosis protein type) inhibits death receptor-mediated apoptosis in colorectal cancer cells. Konishi T, Sasaki S, Watanabe T, Kitayama J, Nagawa H. Mol Cancer Ther. 2005 May;4(5):743-50. PMID: 15897238