

**RNF34 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP16633b****Specification****RNF34 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q969K3</a>
Other Accession	<a href="#">Q6AYH3</a> , <a href="#">Q99KR6</a> , <a href="#">Q5E9J6</a> , <a href="#">NP_079402.2</a> , <a href="#">NP_919247.1</a>
Reactivity	Human
Predicted	Bovine, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	41641
Antigen Region	283-311

**RNF34 Antibody (C-term) - 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 (<a href="http://www.genenames.org/cgi-bin/gene\_symbol\_report?hgnc\_id=17297" target="\_blank">HGNC:17297</a>)

**Target/Specificity**

This RNF34 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 283-311 amino acids from the C-terminal region of human RNF34.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

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

**Precautions**

RNF34 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## RNF34 Antibody (C-term) - 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

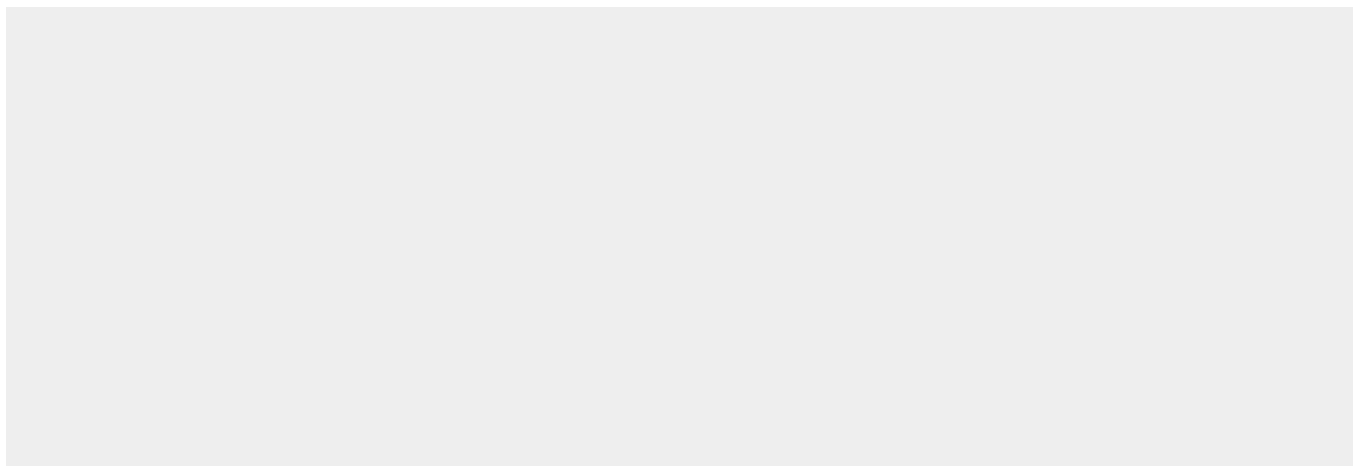
Ubiquitous. Detected in heart, brain, liver, skeletal muscle, kidney, pancreas, spleen, thymus, prostate, testis, ovary, colon and leukocytes.

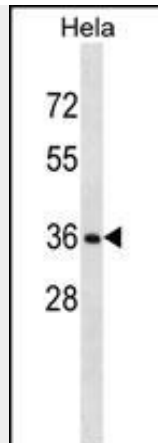
## RNF34 Antibody (C-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## RNF34 Antibody (C-term) - Images





RNF34 Antibody (C-term) (Cat. #AP16633b) western blot analysis in HeLa cell line lysates (35ug/lane). This demonstrates the RNF34 antibody detected the RNF34 protein (arrow).

#### **RNF34 Antibody (C-term) - Background**

The protein encoded by this gene contains a RING finger, a motif known to be involved in protein-protein and protein-DNA interactions. This protein interacts with DNAJA3/hTid-1, which is a DnaJ protein reported to function as a modulator of apoptosis. Overexpression of this gene in HeLa cells was shown to confer the resistance to TNF-alpha induced apoptosis, suggesting an anti-apoptotic function of this protein. This protein can be cleaved by caspase-3 during the induction of apoptosis. Alternatively spliced transcript variants encoding distinct isoforms have been reported.

#### **RNF34 Antibody (C-term) - 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)