

**RNF34 / RFI (internal) Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF2766a**Specification****RNF34 / RFI (internal) Antibody (internal region) - Product Information**

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

**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 ([http://www.genenames.org/cgi-bin/gene\\_symbol\\_report?hgnc\\_id=17297](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=17297)  
target="\_blank">HGNC:17297</a>)

**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) - 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

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:<a href="http://www.uniprot.org/citations/15069192" target="\_blank">15069192</a>). 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:<a href="http://www.uniprot.org/citations/17121812" target="\_blank">17121812</a>). Indirectly, may also negatively regulate p53/TP53 through ubiquitination and degradation of SFN (PubMed:<a href="http://www.uniprot.org/citations/18382127" target="\_blank">18382127</a>). Mediates PPARGC1A proteasomal degradation probably through ubiquitination thereby indirectly regulating the metabolism of brown fat cells (PubMed:<a href="http://www.uniprot.org/citations/22064484" target="\_blank">22064484</a>). Possibly involved in innate immunity, through 'Lys-48'-linked polyubiquitination of NOD1 and its subsequent proteasomal degradation (PubMed:<a href="http://www.uniprot.org/citations/25012219" target="\_blank">25012219</a>).

**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 Cytometry](#)
- [Cell Culture](#)