

**RNF34 Antibody (N-Terminus)**  
**Goat Polyclonal Antibody**  
**Catalog # ALS12598****Specification****RNF34 Antibody (N-Terminus) - Product Information**

|                   |                                                   |
|-------------------|---------------------------------------------------|
| Application       | IHC-P, E                                          |
| Primary Accession | <a href="#">Q969K3</a>                            |
| Reactivity        | Human, Mouse, Rat, Rabbit, Hamster, Horse, Bovine |
| Host              | Goat                                              |
| Clonality         | Polyclonal                                        |
| Calculated MW     | 42kDa KDa                                         |
| Dilution          | IHC-P~~N/A<br>E~~N/A                              |

**RNF34 Antibody (N-Terminus) - 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))  
HGNC:17297

**Target/Specificity**

Human RNF34. This antibody is expected to recognize both reported isoforms (NP\_919247.1 and NP\_079402.2).

**Reconstitution & Storage**

Store at -20°C. Minimize freezing and thawing.

**Precautions**

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

**RNF34 Antibody (N-Terminus) - 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:<http://www.uniprot.org/citations/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:<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

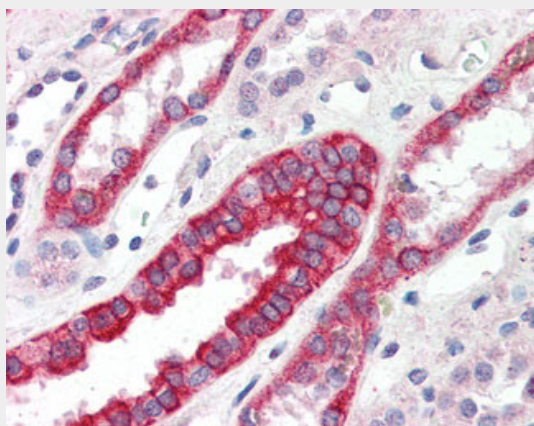
Ubiquitous. Detected in heart, brain, liver, skeletal muscle, kidney, pancreas, spleen, thymus, prostate, testis, ovary, colon and leukocytes.

#### RNF34 Antibody (N-Terminus) - Protocols

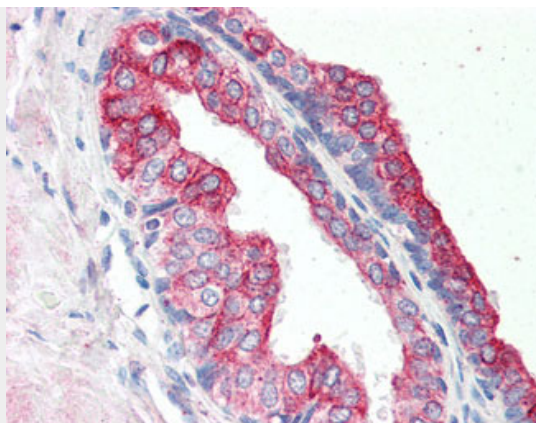
Provided below are standard protocols that you may find useful for product applications.

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

#### RNF34 Antibody (N-Terminus) - Images



Anti-RNF34 antibody IHC of human kidney.



Anti-RNF34 antibody IHC of human prostate.

### **RNF34 Antibody (N-Terminus) - Background**

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).

### **RNF34 Antibody (N-Terminus) - References**

Sasaki S.,et al.Oncogene 21:5024-5030(2002).  
Olsson P.-A.,et al.Submitted (SEP-2000) to the EMBL/GenBank/DDBJ databases.  
Kanbe D.,et al.Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.