

TRIM25 Rabbit mAb
Catalog # AP76204**Specification****TRIM25 Rabbit mAb - Product Information**

Application	WB, IF
Primary Accession	O14258
Reactivity	Human, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	70973

TRIM25 Rabbit mAb - Additional Information**Gene ID** 7706**Other Names**
TRIM25**Dilution**
WB~~1/500-1/1000
IF~~1/50-1/200**Format**
Liquid**TRIM25 Rabbit mAb - Protein Information****Name** TRIM25**Synonyms** EFP {ECO:0000303|PubMed:8248217}, RNF147**Function**

Functions as a ubiquitin E3 ligase and as an ISG15 E3 ligase (PubMed:16352599). Involved in innate immune defense against viruses by mediating ubiquitination of RIGI and IFIH1 (PubMed:17392790, PubMed:29357390, PubMed:30193849, PubMed:31710640, PubMed:33849980, PubMed:36045682). Mediates 'Lys-63'-linked polyubiquitination of the RIGI N-terminal CARD-like region and may play a role in signal transduction that leads to the production of interferons in response to viral infection (PubMed:17392790, PubMed:23950712). Mediates 'Lys-63'-linked polyubiquitination of IFIH1 (PubMed:30193849). Promotes

ISGylation of 14-3-3 sigma (SFN), an adapter protein implicated in the regulation of a large spectrum signaling pathway (PubMed: [16352599](http://www.uniprot.org/citations/16352599), PubMed: [17069755](http://www.uniprot.org/citations/17069755)). Mediates estrogen action in various target organs (PubMed: [22452784](http://www.uniprot.org/citations/22452784)). Mediates the ubiquitination and subsequent proteasomal degradation of ZFX3 (PubMed: [22452784](http://www.uniprot.org/citations/22452784)). Plays a role in promoting the restart of stalled replication forks via interaction with the KHDC3L-OOEP scaffold and subsequent ubiquitination of BLM, resulting in the recruitment and retainment of BLM at DNA replication forks (By similarity). Plays an essential role in the antiviral activity of ZAP/ZC3HAV1; an antiviral protein which inhibits the replication of certain viruses. Mechanistically, mediates 'Lys-63'-linked polyubiquitination of ZAP/ZC3HAV1 that is required for its optimal binding to target mRNA (PubMed: [28060952](http://www.uniprot.org/citations/28060952), PubMed: [28202764](http://www.uniprot.org/citations/28202764)). Mediates also the ubiquitination of various substrates implicated in stress granule formation, nonsense-mediated mRNA decay, nucleoside synthesis and mRNA translation and stability (PubMed: [36067236](http://www.uniprot.org/citations/36067236)).

Cellular Location

Cytoplasm. Cytoplasm, Stress granule. Nucleus {ECO:0000250|UniProtKB:Q61510}

Tissue Location

Expressed in breast tumors (at protein level). Ubiquitous.

TRIM25 Rabbit mAb - 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](#)

TRIM25 Rabbit mAb - Images

