

TRIM56 Rabbit mAb
Catalog # AP76885**Specification**

TRIM56 Rabbit mAb - Product Information

Application	WB, IF
Primary Accession	Q9BRZ2
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	81488

TRIM56 Rabbit mAb - Additional Information**Gene ID** 81844**Other Names**
TRIM56**Dilution**
WB~~1/500-1/1000
IF~~1/50-1/200**Format**
Liquid**TRIM56 Rabbit mAb - Protein Information****Name** TRIM56 {ECO:0000303|PubMed:21289118, ECO:0000312|HGNC:HGNC:19028}**Function**

E3 ubiquitin-protein ligase that plays a key role in innate antiviral immunity by mediating ubiquitination of CGAS and STING1 (PubMed:21289118, PubMed:29426904). In response to pathogen- and host- derived double-stranded DNA (dsDNA), targets STING1 to 'Lys-63'-linked ubiquitination, thereby promoting its homodimerization, a step required for the production of type I interferon IFN-beta (By similarity). Also mediate monoubiquitination of CGAS, thereby promoting CGAS oligomerization and subsequent activation (PubMed:29426904). Promotes also TNFalpha-induced NF-kappa-B signaling by mediating 'Lys-63'-linked ubiquitination TAK1, leading to enhanced interaction between TAK1 and CHUK/IKKalpha (PubMed:35952808). Independently of its E3 ubiquitin ligase activity, positive regulator of TLR3 signaling. Potentiates extracellular double stranded RNA (dsRNA)-induced expression of IFNB1 and interferon-stimulated genes ISG15, IFIT1/ISG56, CXCL10, OASL and CCL5/RANTES (PubMed:22948160). Promotes establishment of an antiviral state by TLR3 ligand and TLR3-mediated chemokine induction following infection by hepatitis C virus (PubMed:<a

<http://www.uniprot.org/citations/22948160> target="_blank">22948160). Acts as a restriction factor of Zika virus through direct interaction with the viral RNA via its C-terminal region (PubMed:31251739).

Cellular Location

Cytoplasm.

Tissue Location

Widely expressed (at protein level).

TRIM56 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](#)

TRIM56 Rabbit mAb - Images

