

TRIM56 Rabbit mAb

Catalog # AP76885

Product Information

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

Additional Information

Gene ID	81844
Other Names	TRIM56
Dilution	WB~~1/500-1/1000 ICC~~N/A
Format	Liquid

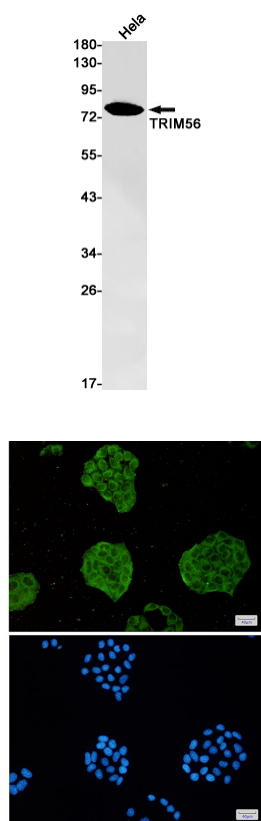
Protein Information

Name	TRIM56 {ECO:0000303 PubMed:21289118, ECO:0000312 HGNC:HGNC:19028}
Function	<p>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:22948160). Acts as a restriction factor of Zika virus through direct interaction with the viral RNA via its C-terminal region (PubMed:31251739).</p>
Cellular Location	Cytoplasm.

Tissue Location

Widely expressed (at protein level).

Images



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.