

**Product Name: TRIM56 Rabbit Monoclonal antibody****Catalog #: AMRe03801**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB, ICC/IF
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal Antibody
<b>Form</b>	Liquid
<b>Concentration</b>	0.11mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
<b>Purification</b>	Affinity Purified

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000, ICC/IF 1:50-1:200
<b>Molecular Weight</b>	Calculated MW: 81 kDa; Observed MW: 81 kDa

**Antigen Information**

<b>Gene Name</b>	TRIM56
<b>Alternative Names</b>	RING finger protein 109; RNF109
<b>Gene ID</b>	81844
<b>SwissProt ID</b>	Q9BRZ2
<b>Immunogen</b>	A synthetic peptide of human TRIM56

**Background**

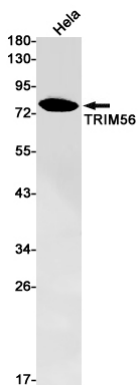
E3 ubiquitin-protein ligase that plays a key role in innate antiviral immunity (PubMed:21289118). In response to pathogen- and host-derived double-stranded DNA (dsDNA), targets TMEM173/STING to 'Lys-63'-linked ubiquitination, thereby promoting its

homodimerization, a step required for the production of type I interferon IFN-beta . 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. Promotes establishment of an antiviral state by TLR3 ligand and TLR3-mediated chemokine induction following infection by hepatitis C virus (PubMed:22948160).

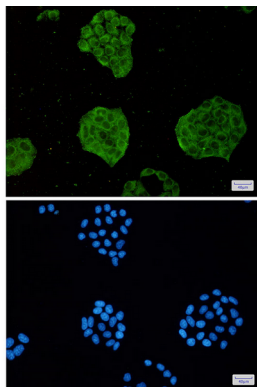
## Research Area

Epigenetics and Nuclear Signaling

## Image Data



Western blot analysis of TRIM56 in HeLa lysates using TRIM56 antibody.



Immunocytochemistry analysis of TRIM56(green) in HeLa using TRIM56 antibody, and DAPI(blue)