

Product Name: TRIM25 (1S16) Rabbit Monoclonal Antibody
Catalog #: AMRe19270



Summary

Production Name	TRIM25 (1S16) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Purification	Affinity purification

Immunogen

Gene Name	TRIM25
Alternative Names	EFP; RNF147; TRI25; TRIM 25; Trim25; Z147; ZNF147;
Gene ID	7706.0
SwissProt ID	Q14258.A synthetic peptide of human TRIM25

Application

Dilution Ratio	WB: 1:1000-1:5000
Molecular Weight	71kDa

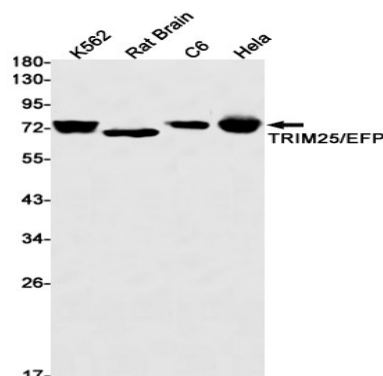
Background

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Functions as an ubiquitin E3 ligase and as an ISG15 E3 ligase. Involved in innate immune defense against viruses by mediating ubiquitination of DDX58. Mediates 'Lys-63'-linked polyubiquitination of the DDX58 N-terminal CARD-like region which is crucial for triggering the cytosolic signal transduction that leads to the production of interferons in response to viral infection. Functions as a ubiquitin E3 ligase and as an ISG15 E3 ligase (PubMed: [16352599](http://www.uniprot.org/citations/16352599)). Involved in innate immune defense against viruses by mediating ubiquitination of DDX58 and IFIH1 (PubMed: [17392790](http://www.uniprot.org/citations/17392790), PubMed: [30193849](http://www.uniprot.org/citations/30193849), PubMed: [33849980](http://www.uniprot.org/citations/33849980)). Mediates 'Lys-63'-linked polyubiquitination of the DDX58 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](http://www.uniprot.org/citations/17392790), PubMed: [23950712](http://www.uniprot.org/citations/23950712), PubMed: [23950712](http://www.uniprot.org/citations/23950712)). Mediates 'Lys-63'-linked polyubiquitination of IFIH1 (PubMed: [30193849](http://www.uniprot.org/citations/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 ZFH3 (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).

Research Area

Image Data





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Western blot detection of TRIM25/EFP in K562,Rat Brain,C6,Hela cell lysates using TRIM25/EFP antibody(1:1000 diluted).

Note

For research use only.