

KD-Validated Anti-TRIM34 Mouse Monoclonal Antibody
Mouse monoclonal antibody
Catalog # AGI2178**Specification****KD-Validated Anti-TRIM34 Mouse Monoclonal Antibody - Product Information**

Application	WB, FC
Primary Accession	Q9BYJ4
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2a
Calculated MW	Predicted, 57 kDa, observed, 51 kDa kDa
Gene Name	TRIM34
Aliases	TRIM34; Tripartite Motif Containing 34; RNF21; Interferon-Responsive Finger Protein 1; E3 Ubiquitin-Protein Ligase TRIM34; IFP1; Ring Finger Protein 21, Interferon-Responsive; Tripartite Motif-Containing 34; RING Finger Protein 21; EC 2.3.2.27; EC 6.3.2
Immunogen	Recombinant protein of human TRIM34

KD-Validated Anti-TRIM34 Mouse Monoclonal Antibody - Additional Information

Gene ID	53840
Other Names	
E3 ubiquitin-protein ligase TRIM34, 2.3.2.27, Interferon-responsive finger protein 1, RING finger protein 21, TRIM34, IFP1, RNF21	

KD-Validated Anti-TRIM34 Mouse Monoclonal Antibody - Protein Information**Name** TRIM34**Synonyms** IFP1, RNF21**Function**

Functions as antiviral protein and contributes to the defense against retroviral infections (PubMed: [17156811](http://www.uniprot.org/citations/17156811)), PubMed: [32282853](http://www.uniprot.org/citations/32282853)). Acts as a capsid-specific restriction factor with the help of TRIM5 and prevents infection from non-host-adapted retroviruses (PubMed: [32282853](http://www.uniprot.org/citations/32282853)). During influenza A virus infection, promotes programmed cell death by targeting ZBP1 for 'Lys-63'-linked polyubiquitination (PubMed: [35065966](http://www.uniprot.org/citations/35065966)). In turn, promotes ZBP1 recruitment of RIPK3 to mediate virus-induced programmed necrosis (PubMed: [35065966](http://www.uniprot.org/citations/35065966)). Negatively regulates the function of mitochondria by enhancing mitochondrial depolarization leading to cytochrome c release and mitochondria-dependent apoptosis (PubMed: [35065966](#)).

href="http://www.uniprot.org/citations/31956709" target="_blank">31956709). Also promotes the formation of multinucleated giant cells by means of cell fusion and phagocytosis in epithelial cells (PubMed:31487507).

Cellular Location

Cytoplasm Mitochondrion. Note=Localizes in cytoplasmic bodies together with TRIM5 and incoming HIV-1 capsids during infection.

Tissue Location

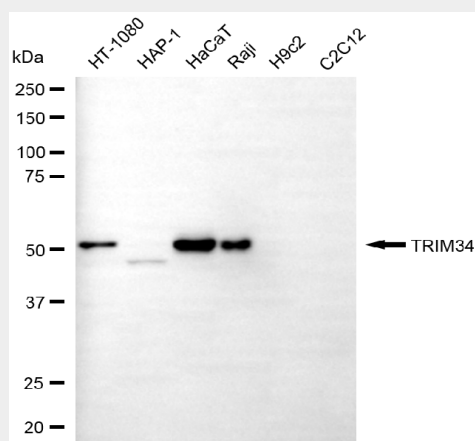
[Isoform 1]: Is the most abundant form. It is highly expressed in the placenta, spleen, colon and peripheral blood leukocytes.

KD-Validated Anti-TRIM34 Mouse Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

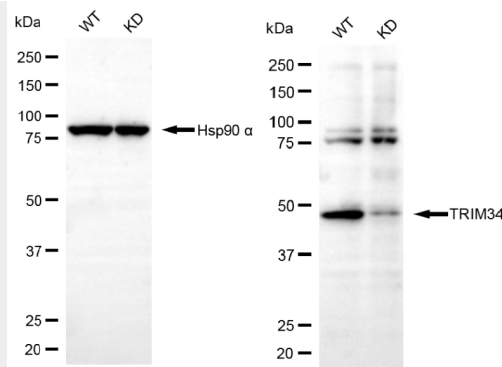
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KD-Validated Anti-TRIM34 Mouse Monoclonal Antibody - Images

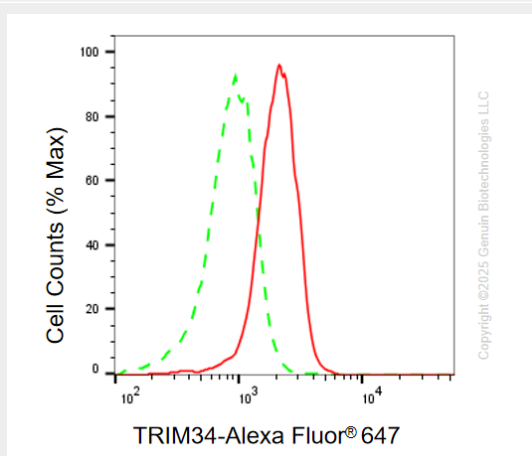


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Western blotting analysis using anti-TRIM34 antibody (Cat#AGI2178). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-TRIM34 antibody (Cat#AGI2178, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Western blotting analysis using anti-TRIM34 antibody (Cat#AGI2178). TRIM34 expression in wild-type (WT) and TRIM34 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-TRIM34 antibody (Cat#AGI2178, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Flow cytometric analysis of TRIM34 expression in HaCaT cells using anti-TRIM34 antibody (Cat#AGI2178, 1:2,000). Green, isotype control; red, TRIM34.