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KD-Validated Anti-TRIM34 Mouse Monoclonal Antibody

Mouse monoclonal antibody
Catalog # AGI2178

Product Information

Application	WB, FC
Primary Accession	Q9BYJ4
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2a
Clone Names	24GB14230
Calculated MW	56864
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

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

Protein Information

Name	TRIM34
Synonyms	IFP1, RNF21
Function	Functions as antiviral protein and contributes to the defense against retroviral infections (PubMed:17156811, PubMed:32282853). Acts as a capsid-specific restriction factor with the help of TRIM5 and prevents infection from non-host-adapted retroviruses (PubMed:32282853). During influenza A virus infection, promotes programmed cell death by targeting ZBP1 for 'Lys-63'-linked polyubiquitination (PubMed:35065966). In turn, promotes ZBP1 recruitment of RIPK3 to mediate virus-induced programmed necrosis (PubMed:35065966). Negatively regulates the function of mitochondria by enhancing mitochondrial depolarization leading to cytochrome c release and mitochondria-dependent apoptosis (PubMed: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.

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