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KD-Validated Anti-Tax1 binding protein 1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1055

Product Information

Application	WB, FC, ICC
Primary Accession	Q86VP1
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB 2100
Calculated MW	90877
Gene Name	TAX1BP1
Aliases	TAX1BP1; Tax1 Binding Protein 1; CALCOCO3; TXBP151; Tax1 (Human T-Cell Leukemia Virus Type I) Binding Protein 1; Tax1-Binding Protein 1; TRAF6-Binding Protein; T6BP
Immunogen	A synthesized peptide derived from human TRAF6BP

Additional Information

Gene ID	8887
Other Names	Tax1-binding protein 1, TRAF6-binding protein, TAX1BP1, T6BP

Protein Information

Name	TAX1BP1
Synonyms	T6BP
Function	Ubiquitin-binding adapter that participates in inflammatory, antiviral and innate immune processes as well as selective autophagy regulation (PubMed:29940186, PubMed:30459273, PubMed:30909570). Plays a key role in the negative regulation of NF-kappa-B and IRF3 signalings by acting as an adapter for the ubiquitin-editing enzyme A20/TNFAIP3 to bind and inactivate its substrates (PubMed:17703191). Disrupts the interactions between the E3 ubiquitin ligase TRAF3 and TBK1/IKBKE to attenuate 'Lys63'-linked polyubiquitination of TBK1 and thereby IFN- beta production (PubMed:21885437). Also recruits A20/TNFAIP3 to ubiquitinated signaling proteins TRAF6 and RIPK1, leading to their deubiquitination and disruption of IL-1 and TNF-induced NF-kappa-B signaling pathways (PubMed:17703191). Inhibits virus-induced apoptosis by inducing the 'Lys-48'-linked polyubiquitination and degradation of MAVS via recruitment of the E3 ligase ITCH, thereby attenuating MAVS- mediated apoptosis signaling (PubMed:27736772). As a macroautophagy/autophagy receptor, facilitates the

	xenophagic clearance of pathogenic bacteria such as Salmonella typhimurium and Mycobacterium tuberculosis (PubMed:26451915). Upon NBR1 recruitment to the SQSTM1- ubiquitin condensates, acts as the major recruiter of RB1CC1 to these ubiquitin condensates to promote their autophagic degradation (PubMed:33226137, PubMed:34471133). Mediates the autophagic degradation of other substrates including TICAM1 (PubMed:28898289).
Cellular Location	Cytoplasm. Mitochondrion. Preautophagosomal structure Cytoplasmic vesicle, autophagosome
Tissue Location	Expressed in all tissues tested.

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