

TAX1BP1 Rabbit mAb

Catalog # AP78270

Product Information

Application	WB, IF, ICC
Primary Accession	Q86VP1
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human TRAF6BP
Purification	Affinity Purified
Calculated MW	90877

Additional Information

Gene ID	8887
Other Names	TAX1BP1
Dilution	WB~~1/500-1/1000 IF~~1:50~200 ICC~~N/A
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

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](#)).

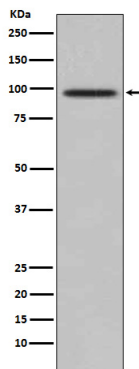
Cellular Location

Cytoplasm. Mitochondrion. Preautophagosomal structure Cytoplasmic vesicle, autophagosome

Tissue Location

Expressed in all tissues tested.

Images



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