

**TAX1BP1 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16130c****Specification**

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**TAX1BP1 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q86VP1](#)**TAX1BP1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 8887**Other Names**

Tax1-binding protein 1, TRAF6-binding protein, TAX1BP1, T6BP

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**TAX1BP1 Antibody (Center) Blocking Peptide - 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:<a href="http://www.uniprot.org/citations/30459273" target="\_blank">30459273</a>, PubMed:<a href="http://www.uniprot.org/citations/29940186" target="\_blank">29940186</a>, PubMed:<a href="http://www.uniprot.org/citations/30909570" target="\_blank">30909570</a>). 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:<a href="http://www.uniprot.org/citations/17703191" target="\_blank">17703191</a>). 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:<a href="http://www.uniprot.org/citations/21885437" target="\_blank">21885437</a>). Recruits also 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:<a href="http://www.uniprot.org/citations/17703191" target="\_blank">17703191</a>). 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:<a href="http://www.uniprot.org/citations/27736772" target="\_blank">27736772</a>). As a macroautophagy/autophagy receptor, facilitates the xenophagic clearance of pathogenic bacteria such as Salmonella typhimurium and Mycobacterium tuberculosis (PubMed:<a href="http://www.uniprot.org/citations/26451915" target="\_blank">26451915</a>). 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:<a href="http://www.uniprot.org/citations/33226137" target="\_blank">33226137</a>, PubMed:<a href="http://www.uniprot.org/citations/34471133" target="\_blank">34471133</a>). Mediates the autophagic degradation of other substrates including TICAM1 (PubMed:<a href="http://www.uniprot.org/citations/28898289" target="\_blank">28898289</a>).

**Cellular Location**

Cytoplasm. Mitochondrion. Preautophagosomal structure Cytoplasmic vesicle, autophagosome

**Tissue Location**

Expressed in all tissues tested.

**TAX1BP1 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**TAX1BP1 Antibody (Center) Blocking Peptide - Images****TAX1BP1 Antibody (Center) Blocking Peptide - Background**

The HTLV-1 Tax protein transcriptionally activates the HTLV-1 promoter. Tax also binds to and stimulates the expression of cellular genes, including transcription factors and other proteins (Gachon et al., 1998 [PubMed 9733879]).

**TAX1BP1 Antibody (Center) Blocking Peptide - References**

Parvatiyar, K., et al. J. Biol. Chem. 285(20):14999-15009(2010) Ruiz, M.T., et al. Braz J Otorhinolaryngol 76(2):193-198(2010) Shembade, N., et al. Science 327(5969):1135-1139(2010) Dieguez-Gonzalez, R., et al. Ann. Rheum. Dis. 68(4):579-583(2009) Shembade, N., et al. EMBO J. 28(5):513-522(2009)