

# TRAF6BP/TAX1BP1 Rabbit pAb

Catalog # AP53624

## Product Information

|                   |                        |
|-------------------|------------------------|
| Primary Accession | <a href="#">Q86VP1</a> |
| Host              | Rabbit                 |
| Clonality         | Polyclonal Antibody    |
| Calculated MW     | 90877                  |

## Additional Information

|             |                                                                                          |
|-------------|------------------------------------------------------------------------------------------|
| Gene ID     | 8887                                                                                     |
| Other Names | T6BP; TXBP151; CALCOCO3                                                                  |
| Storage     | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

## Protein Information

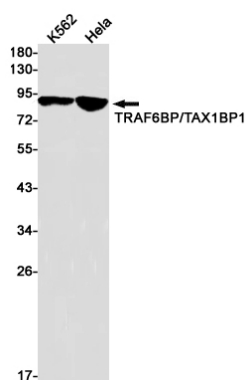
|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| Name     | TAX1BP1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Synonyms | T6BP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Function | <p>Ubiquitin-binding adapter that participates in inflammatory, antiviral and innate immune processes as well as selective autophagy regulation (PubMed:<a href="#">29940186</a>, PubMed:<a href="#">30459273</a>, PubMed:<a href="#">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="#">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="#">21885437</a>). 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:<a href="#">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="#">27736772</a>). As a macroautophagy/autophagy receptor, facilitates the xenophagic clearance of pathogenic bacteria such as Salmonella typhimurium and Mycobacterium tuberculosis (PubMed:<a href="#">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="#">33226137</a>, PubMed:<a href="#">34471133</a>). Mediates the autophagic degradation of other substrates including TICAM1 (PubMed:<a href="#">28898289</a>).</p> |

|                          |                                                                                          |
|--------------------------|------------------------------------------------------------------------------------------|
| <b>Cellular Location</b> | Cytoplasm. Mitochondrion. Preautophagosomal structure Cytoplasmic vesicle, autophagosome |
| <b>Tissue Location</b>   | Expressed in all tissues tested.                                                         |

## Background

Swiss-Prot Acc.Q86VP1.Inhibits TNF-induced apoptosis by mediating the TNFAIP3 anti-apoptotic activity. Degraded by caspase-3-like family proteins upon TNF-induced apoptosis. May also play a role in the pro-inflammatory cytokine IL-1 signaling cascade.

## Images



Western blot detection of TRAF6BP/TAX1BP1 in K562, HeLa cell lysates using TRAF6BP/TAX1BP1 Rabbit pAb(1:1000 diluted). Predicted band size: 91 kDa. Observed band size: 91 kDa.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.