

TRAF3IP3 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP17344a**Specification**

TRAF3IP3 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [O9Y228](#)**TRAF3IP3 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 80342**Other Names**

TRAF3-interacting JNK-activating modulator, TRAF3-interacting protein 3, TRAF3IP3, T3JAM

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.

TRAF3IP3 Antibody (N-term) Blocking Peptide - Protein Information**Name** TRAF3IP3**Synonyms** T3JAM**Function**

Adapter protein that plays essential roles in both innate and adaptive immunity. Plays a crucial role in the regulation of thymocyte development (PubMed:26195727). Mechanistically, mediates TCR-stimulated activation through recruiting MAP2K1/MEK1 to the Golgi and, thereby, facilitating the interaction of MAP2K1/MEK1 with its activator BRAF (PubMed:26195727). Also plays an essential role in regulatory T-cell stability and function by recruiting the serine-threonine phosphatase catalytic subunit (PPP2CA) to the lysosome, thereby facilitating the interaction of PP2Ac with the mTORC1 component RPTOR and restricting glycolytic metabolism (PubMed:30115741). Positively regulates TLR4 signaling activity in macrophage-mediated inflammation by acting as a molecular clamp to facilitate LPS-induced translocation of TLR4 to lipid rafts (PubMed:30573680). In response to viral infection, facilitates the recruitment of TRAF3 to MAVS within mitochondria leading to IRF3 activation and interferon production (PubMed:31390091). However,

participates in the maintenance of immune homeostasis and the prevention of overzealous innate immunity by promoting 'Lys-48'- dependent ubiquitination of TBK1 (PubMed:32366851).

Cellular Location

Cell membrane. Golgi apparatus membrane; Single-pass type IV membrane protein. Lysosome membrane {ECO:0000250|UniProtKB:Q8C0G2}. Mitochondrion outer membrane.

Note=Accumulates on the mitochondria after virus infection.

TRAF3IP3 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TRAF3IP3 Antibody (N-term) Blocking Peptide - Images**TRAF3IP3 Antibody (N-term) Blocking Peptide - Background**

The gene encodes a protein that mediates cell growth bymodulating the c-Jun N-terminal kinase signal transduction pathway.The encoded protein may also interact with a large multiproteinassembly containing the phosphatase 2A catalytic subunit. [providedby RefSeq].

TRAF3IP3 Antibody (N-term) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Goudreault, M., et al. Mol. Cell Proteomics 8(1):157-171(2009)Ma, X., et al. Life Sci. 81(14):1141-1151(2007)Dadgostar, H., et al. FEBS Lett. 553(3):403-407(2003)