

**TRAF3IP3 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP17344a**

**Specification**

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**TRAF3IP3 Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9Y228</a>
Other Accession	<a href="#">NP_079504.2</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	63626
Antigen Region	53-79

**TRAF3IP3 Antibody (N-term) - Additional Information**

**Gene ID** 80342

**Other Names**

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

**Target/Specificity**

This TRAF3IP3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 53-79 amino acids from the N-terminal region of human TRAF3IP3.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

TRAF3IP3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**TRAF3IP3 Antibody (N-term) - 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

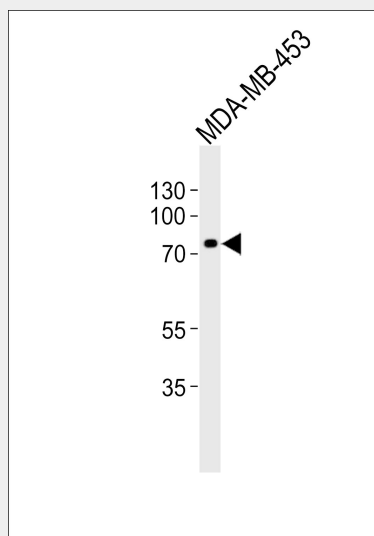
Cell membrane. Golgi apparatus membrane; Single-pass type IV membrane protein. Lysosome membrane {ECO:0000250|UniProtKB:Q8COG2}. Mitochondrion outer membrane.  
Note=Accumulates on the mitochondria after virus infection.

#### TRAF3IP3 Antibody (N-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### TRAF3IP3 Antibody (N-term) - Images



Western blot analysis of lysate from MDA-MB-453 cell line, using TRAF3IP3 Antibody (N-term)(Cat. #AP17344a). AP17344a was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000

dilution was used as the secondary antibody. Lysate at 20ug.

### **TRAF3IP3 Antibody (N-term) - Background**

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

### **TRAF3IP3 Antibody (N-term) - 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)