

# TRAF3IP3 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP17344a

## Product Information

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Application	WB, E
Primary Accession	<a href="#">Q9Y228</a>
Other Accession	<a href="#">NP_079504.2</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37218
Calculated MW	63626
Antigen Region	53-79

## Additional Information

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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 E~~Use at an assay dependent concentration.
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.

## Protein Information

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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.

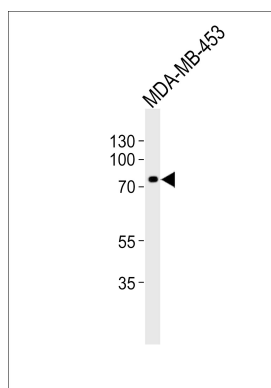
## Background

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].

## 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)

## 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.

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