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

Specification

TRAF3IP3 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q9Y228
Other Accession	NP_079504.2
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
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.

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).

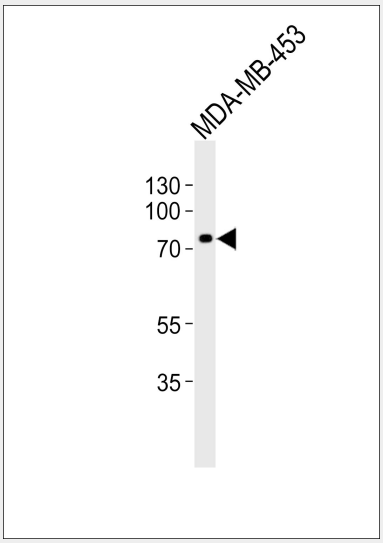
Cellular Location
Cell membrane. Golgi apparatus membrane; Single-pass type IV membrane protein. Lysosome membrane {ECO:0000250|UniProtKB:Q8C0G2}. Mitochondrion outer membrane.
Note=Accumulates on the mitochondria after virus infection.

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 Cytomety
- 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)