

TRAF3IP3 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51586

Specification

TRAF3IP3 Antibody - Product Information

Application	WB, IP, IHC-P, E
Primary Accession	O9Y228
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	64 KDa

TRAF3IP3 Antibody - Additional Information

Gene ID 80342

Other Names

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

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

TRAF3IP3 Antibody - 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:30573680).

[31390091](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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 - 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 - Images

TRAF3IP3 Antibody - Background

May function as an adapter molecule that regulates TRAF3-mediated JNK activation (By similarity).

TRAF3IP3 Antibody - References

Rhodes S., et al. Submitted (APR-1999) to the EMBL/GenBank/DDBJ databases.
Gregory S.G., et al. Nature 441:315-321(2006).
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Vasilescu J., et al. J. Proteome Res. 6:298-305(2007).
Sjoebloom T., et al. Science 314:268-274(2006).