

TRAP Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP6545A

Product Information

Application	WB, IHC-P, IF, FC, E
Primary Accession	P29965
Other Accession	Q95MQ5 , P51749
Reactivity	Human
Predicted	Bovine, Pig
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB19150
Calculated MW	29274
Antigen Region	33-62

Additional Information

Gene ID	959
Other Names	CD40 ligand, CD40-L, T-cell antigen Gp39, TNF-related activation protein, TRAP, Tumor necrosis factor ligand superfamily member 5, CD154, CD40 ligand, membrane form, CD40 ligand, soluble form, CD40LG, CD40L, TNFSF5, TRAP
Target/Specificity	This TRAP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 33-62 amino acids from the N-terminal region of human TRAP.
Dilution	WB~~1:1000 IHC-P~~1:100~500 IF~~1:10~50 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
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	TRAP Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CD40LG
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Synonyms	CD40L, TNFSF5, TRAP
Function	Cytokine that acts as a ligand to CD40/TNFRSF5 (PubMed: 1280226 , PubMed: 31331973). Costimulates T-cell proliferation and cytokine production (PubMed: 8617933). Its cross-linking on T-cells generates a costimulatory signal which enhances the production of IL4 and IL10 in conjunction with the TCR/CD3 ligation and CD28 costimulation (PubMed: 8617933). Induces the activation of NF-kappa-B (PubMed: 15067037 , PubMed: 31331973). Induces the activation of kinases MAPK8 and PAK2 in T-cells (PubMed: 15067037). Induces tyrosine phosphorylation of isoform 3 of CD28 (PubMed: 15067037). Mediates B-cell proliferation in the absence of co-stimulus as well as IgE production in the presence of IL4 (By similarity). Involved in immunoglobulin class switching (By similarity).
Cellular Location	Cell membrane; Single-pass type II membrane protein. Cell surface
Tissue Location	Specifically expressed on activated CD4+ T- lymphocytes

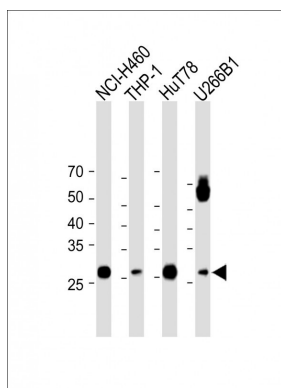
Background

TRAP is expressed on the surface of T cells. It regulates B cell function by engaging CD40 on the B cell surface. A defect in its gene results in an inability to undergo immunoglobulin class switch and is associated with hyper-IgM syndrome.

References

Volmar,C.H., Exp. Cell Res. 315 (13), 2265-2274 (2009)
 Chai,H., Surgery 146 (1), 5-11 (2009)

Images



All lanes: Anti- TRAP Antibody (N-term) at 1:2000 dilution
 Lane 1: NCI-H460 whole cell lysate Lane 2: THP-1 whole cell lysate Lane 3: HuT78 whole cell lysate Lane 4: U266B1 whole cell lysate Lysates/proteins at 20 µg per lane.
 Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 29 KDa Blocking/Dilution buffer: 5% NFDN/TBST.

Citations

- [Circular RNA atlas in osteoclast differentiation with and without alendronate treatment](#)

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