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TRAPPC4 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1457a

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9Y296
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB12534
Calculated MW	24340
Antigen Region	54-84

Additional Information

Gene ID	51399
Other Names	Trafficking protein particle complex subunit 4, Hematopoietic stem/progenitor cell protein 172, Synbindin, TRS23 homolog, TRAPPC4, SBDN
Target/Specificity	This TRAPPC4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 54-84 amino acids from the N-terminal region of human TRAPPC4.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. 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	TRAPPC4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TRAPPC4 (HGNC:19943)
Function	Core component of the TRAPP complexes which has a function of guanine nucleotide exchange factor activity for Rab1 GTPase (Probable). Plays a role in vesicular transport from endoplasmic reticulum to Golgi and autophagy (PubMed:31794024). May play a role in dendrite postsynaptic membrane

trafficking (By similarity).

Cellular Location

Postsynaptic cell membrane {ECO:0000250|UniProtKB:Q9ES56}. Golgi apparatus membrane {ECO:0000250|UniProtKB:Q9ES56}. Endoplasmic reticulum {ECO:0000250|UniProtKB:Q9ES56}. Vesicle {ECO:0000250|UniProtKB:Q9ES56} Note=Associated with postsynaptic membranes and in intracellular cisterns and vesicles (Golgi). {ECO:0000250|UniProtKB:Q9ES56}

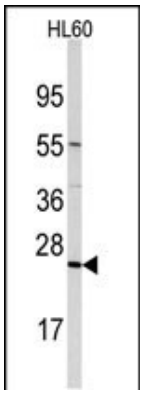
Background

TRAPPC4 is part of the multisubunit TRAPP (transport protein particle) complex and interacts with SDC2. It may play a role in vesicular transport from endoplasmic reticulum to Golgi. TRAPP proteins are involved in tethering during vesicle transport.

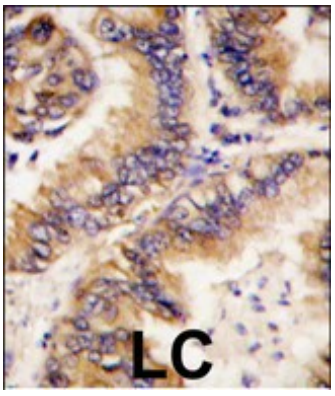
References

Gavin,A.C., Nature 415 (6868), 141-147 (2002)
Ethell,I.M., J. Cell Biol. 151 (1), 53-68 (2000)

Images



Western blot analysis of anti-TRAPPC4 Antibody (N-term) (Cat.#AP1457a) in HL60 cell line lysates (35ug/lane). TRAPPC4 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with TRAPPC4 antibody (N-term) (Cat.#AP1457a), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.