

# TRAPPC4 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP1457a

#### Specification

# **TRAPPC4 Antibody (N-term) - Product Information**

Application Primary Accession	ІНС-Р, WB,E <u>09Ү296</u>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	24340
Antigen Region	54-84

## **TRAPPC4** Antibody (N-term) - 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** IHC-P~~1:10~50 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 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.

#### **TRAPPC4 Antibody (N-term) - Protein Information**

Name TRAPPC4 (<u>HGNC:19943</u>)



**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:<u>31794024</u>). 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}

# TRAPPC4 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

# TRAPPC4 Antibody (N-term) - 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.

## TRAPPC4 Antibody (N-term) - 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.

## **TRAPPC4 Antibody (N-term) - References**

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