

**TRAPPC4 Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP1457a**

**Specification**

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

Application	<b>WB, IHC-P,E</b>
Primary Accession	<a href="#">O9Y296</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Calculated MW	<b>24340</b>
Antigen Region	<b>54-84</b>

**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**

WB~~1:1000  
IHC-P~~1:10~50

**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 ([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

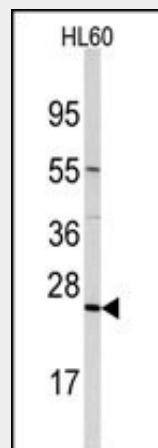
Postsynaptic cell membrane {ECO:0000250|UniProtKB:Q9ES56}. Golgi apparatus membrane {ECO:0000250|UniProtKB:Q9ES56}. Endoplasmic reticulum {ECO:0000250|UniProtKB:Q9ES56}. Vesicle {ECO:0000250|UniProtKB:Q9ES56} Note=Associated with postsynaptic membranes and in intracellular cisterns and vesicles (Golgi).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

#### TRAPPC4 Antibody (N-term) - Protocols

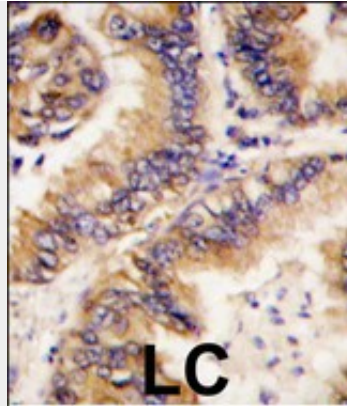
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### 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)