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# TRAPPC4 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1457a

## Product Information

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| **Application** | WB, IHC-P, E |
| **Primary Accession** | Q9Y296 |
| **Reactivity** | Human |
| **Predicted** | Mouse, Rat, Bovine, Canine, Rabbit, Chicken |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB12534 |
| **Calculated MW** | 24340 |
| **Antigen Region** | 54-84 |

## Additional Information

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| **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

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| **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 |

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| | (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} |

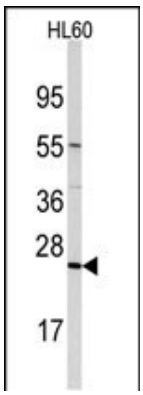
## Background

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.

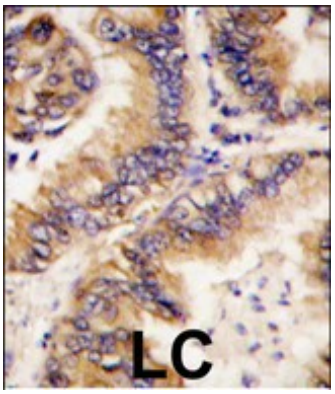
## References

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.

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