

SEPT5 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14767a

Specification

SEPT5 Antibody (N-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	O99719
Other Accession	O9JIM9 , O9Z2Q6 , NP_002679.2
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	42777
Antigen Region	1-30

SEPT5 Antibody (N-term) - Additional Information

Gene ID 5413

Other Names

Septin-5, Cell division control-related protein 1, CDCrel-1, Peanut-like protein 1, SEPT5, PNUTL1

Target/Specificity

This SEPT5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human SEPT5.

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 purified through a protein A column, followed by peptide affinity purification.

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

SEPT5 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SEPT5 Antibody (N-term) - Protein Information

Name SEPTIN5 ([HGNC:9164](#))

Synonyms PNUTL1, SEPT5

Function Filament-forming cytoskeletal GTPase (By similarity). May play a role in cytokinesis (Potential). May play a role in platelet secretion (By similarity).

Cellular Location

Cytoplasm. Cytoplasm, cytoskeleton. Note=In platelets, found in areas surrounding alpha-granules

Tissue Location

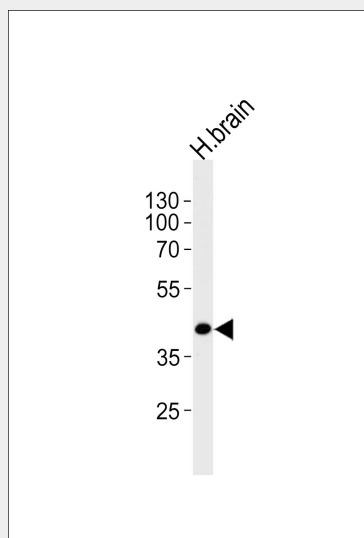
Expressed at high levels in the CNS, as well as in heart and platelets (at protein level).

SEPT5 Antibody (N-term) - Protocols

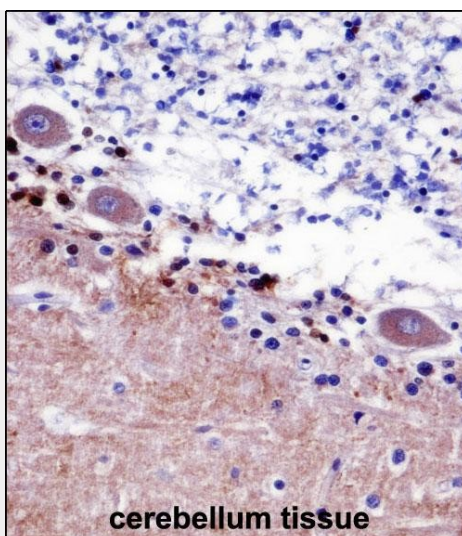
Provided below are standard protocols that you may find useful for product applications.

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

SEPT5 Antibody (N-term) - Images



Western blot analysis of lysate from human brain tissue lysate, using SEPT5 Antibody (N-term)(Cat. #AP14767a). AP14767a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.



SEPT5 Antibody (N-term) (AP14767a) immunohistochemistry analysis in formalin fixed and paraffin embedded human cerebellum tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of SEPT5 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

SEPT5 Antibody (N-term) - Background

This gene is a member of the septin gene family of nucleotide binding proteins, originally described in yeast as cell division cycle regulatory proteins. Septins are highly conserved in yeast, *Drosophila*, and mouse and appear to regulate cytoskeletal organization. Disruption of septin function disturbs cytokinesis and results in large multinucleate or polyploid cells. This gene is mapped to 22q11, the region frequently deleted in DiGeorge and velocardiofacial syndromes. A translocation involving the MLL gene and this gene has also been reported in patients with acute myeloid leukemia. Alternative splicing results in multiple transcript variants. The presence of a non-consensus polyA signal (AACAAAT) in this gene also results in read-through transcription into the downstream neighboring gene (GP1BB; platelet glycoprotein Ib), whereby larger, non-coding transcripts are produced. [provided by RefSeq].

SEPT5 Antibody (N-term) - References

Jung, A.E., et al. *Mol. Ther.* 16(6):1048-1055(2008)
Amin, N.D., et al. *J. Neurosci.* 28(14):3631-3643(2008)
Xin, X., et al. *J. Histochem. Cytochem.* 55(11):1089-1094(2007)
Blaser, S., et al. *J. Pathol.* 210(1):103-110(2006)
Ballif, B.A., et al. *Mol. Cell Proteomics* 3(11):1093-1101(2004)