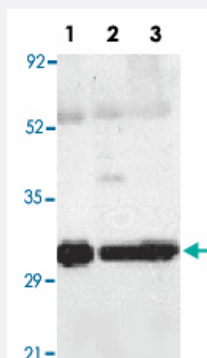


SEPT4 polyclonal antibody

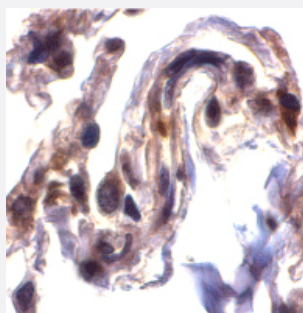
Catalog # PAB12882 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of SEPT4 expression in human lung (lane 1), spleen (lane 2), and kidney (lane 3) tissue lysates with SEPT4 polyclonal antibody (Cat # PAB12882) at 2 ug /mL .



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of SEPT4 in human lung tissue with SEPT4 polyclonal antibody (Cat # PAB12882) at 2 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SEPT4.
Immunogen	A synthetic peptide corresponding to N-terminus of human SEPT4.
Host	Rabbit
Reactivity	Human
Specificity	A band at 32 KDa can be detected.
Form	Liquid

Recommend Usage	Western Blot (0.5-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of SEPT4 expression in human lung (lane 1), spleen (lane 2), and kidney (lane 3) tissue lysates with SEPT4 polyclonal antibody (Cat # PAB12882) at 2 ug /mL .

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of SEPT4 in human lung tissue with SEPT4 polyclonal antibody (Cat # PAB12882) at 2 ug/mL .

Gene Info — SEPT4

Entrez GeneID	5414
Protein Accession#	AAG45673
Gene Name	SEPT4
Gene Alias	ARTS, BRADEION, CE5B3, H5, MART, PNUTL2, SEP4, hCDCREL-2, hucep-7
Gene Description	septin 4
Omim ID	603696
Gene Ontology	Hyperlink
Gene Summary	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. The protein encoded by this gene is thought to be part of a complex involved in cytokinesis. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized. [provided by RefSeq]
Other Designations	cell division control-related protein 2 cerebral protein 7 peanut-like 2 septin-M

Publication Reference

- [A novel mitochondrial septin-like protein, ARTS, mediates apoptosis dependent on its P-loop motif.](#)

Larisch S, Yi Y, Lotan R, Kerner H, Eimerl S, Tony Parks W, Gottfried Y, Birkey Reffey S, de Caestecker MP, Danielpour D, Book-Melamed N, Timberg R, Duckett CS, Lechleider RJ, Steller H, Orly J, Kim SJ, Roberts AB.

Nature Cell Biology 2000 Dec; 2(12):915.

Application: IF, IHC, WB-Ce, Human, Monkey, Rat, COS, NRP-154, A549 cells, Cardiomyocytes

- [The ARTS of apoptosis.](#)

Depraetere V.

Nature Cell Biology 2000 Dec; 2(12):E219.

Application: IF, Drosophila, Drosophila

- [Characterization of a novel gene, PNUTL2, on human chromosome 17q22-q23 and its exclusion as the Meckel syndrome gene.](#)

Paavola P, Horelli-Kuitunen N, Palotie A, Peltonen L.

Genomics 1999 Jan; 55(1):122.

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)