

Goat SEPT4 / Septin 4 Polyclonal Antibody | anti-SEPT4 antibody

Goat Polyclonal to Human SEPT4 / Septin 4

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51674	Goat	Bat, Gibbon, Dog, Xenopus, Gorilla, Hamster, Horse, Human, Orangutan, Pig, Rabbit, Rat, Zebrafish Predicted Reactivity: Monkey, Bovine (at least 90% immunogen sequence identity)	ELISA, Western Blot, Immunohistochemistry

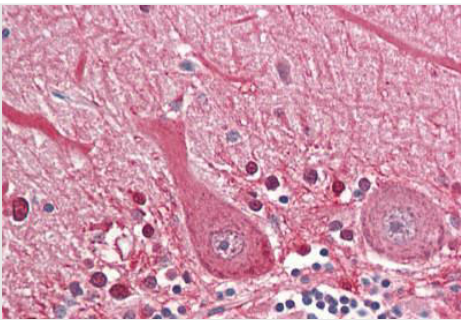
PRODUCT SYNONYMS

SEPT4 / Septin 4; Polyclonal Antibody; Goat Polyclonal to Human SEPT4 / Septin 4; Anti-SEPT4 / Septin 4 Antibody (Internal) IHC-plus; SEPT4; Brain protein H5; ARTS; BRADEION; CE5B3; Cerebral protein 7; H5; HCDCREL-2; Peanut-like 2 (Drosophila); PNUTL2; SEP4; Septin 4; Bradeion beta; CE5B3 beta; Hucep-7; MART; Peanut-like protein 2; Septin-4; Septin-M; Human SEPT4; anti-SEPT4 antibody

PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Bat, Gibbon, Dog, Xenopus, Gorilla, Hamster, Horse, Human, Orangutan, Pig, Rabbit, Rat, Zebrafish Predicted Reactivity: Monkey, Bovine (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human SEPT4 / Septin 4. This antibody is expected to recognize isoform 1 (NP_004565.1), 3 (NP_536341.1) and 4 (NP_001185642.1). Amino acid numbering in name refers to NP_004565.1 sequence.
Purity/Purification	Immunoaffinity Purified
Form/Format	Tris-buffered saline, pH 7.3, 0.5% BSA, 0.02% sodium azide
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	478
Applicable Applications for anti-SEPT4 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic peptide C-RNKLTRESGTD from an internal region of human SEPT4 / Septin 4 (NP_004565.1; NP_536341.1, NP_001185642.1).
Immunogen Type	Synthetic peptide
Immunogen	SEPT4 / Septin 4 antibody was raised against synthetic peptide C-RNKLTRESGTD from an internal region of human SEPT4 / Septin 4 (NP_004565.1; NP_536341.1, NP_001185642.1). Percent identity by BLAST analysis: Human, Gorilla, Orangutan, Gibbon, Monkey, Mouse, Rat, Hamster, Elephant, Panda, Dog, Bat, Horse, Rabbit, Pig, Platypus, Xenopus, Stickleback, Pufferfish, Zebrafish (100%); Marmoset, Bovine (91%).
Antigen Modification	Internal
Preparation and Storage	Store at -20 degree C. Minimize freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti-SEPT4 / Septin-4 antibody IHC of human brain, cerebellum. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody dilution 3.75 ug/ml.

WB (Western Blot)
SEPT4 antibody (1 ug/ml) staining of Human Heart lysate (35 ug protein/ml in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-SEPT4 antibody	Apoptosis is related to many diseases and development. Mitochondrial proteins, such as cytochrome c, Apaf-1, and AIF play important role in apoptosis. A novel mitochondrial septin-like protein was identified recently and designated ARTS for apoptosis related protein in TGF- β signaling pathway. ARTS that is encoded by the human septin H5/PNUTL2/CDCrel2b gene is located to mitochondria and translocates to the nucleus when apoptosis occurs. ARTS is expressed in many tissues.
Product Categories/Family for anti-SEPT4 antibody	Family: Apoptosis

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758942
NCBI GeneID	5414
NCBI Accession #	NP_004565.1
NCBI GenBank Nucleotide #	NM_004574.4
UniProt Accession #	O43236; Q6IAP3; Q9H315; Q9UM58; B2RD42; B3KSX9; B4DXC6; B4DXV5
Molecular Weight	30,809 Da
NCBI Official Full Name	septin-4 isoform 1
NCBI Official Synonym Full Names	septin 4
NCBI Official Symbol	SEPT4
NCBI Official Synonym Symbols	H5; ARTS; MART; SEP4; CE5B3; PNUTL2; hucep-7; BRADEION; hCDCREL-2
NCBI Protein Information	septin-4; septin-M; CE5B3 beta; bradeion beta; brain protein H5; cerebral protein 7; peanut-like protein 2; cell division control-related protein 2; apoptosis-related protein in the TGF-beta signaling pathway
UniProt Protein Name	Septin-4
UniProt Gene Name	SEPT4
UniProt Synonym Gene Names	ARTS; PNUTL2; SEP4; ARTS; hCDCREL-2
UniProt Entry Name	SEPT4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/sept4-septin-4-antibody-western-blot-immunohistochemistry-elisa/51674>