

Rabbit SEPT6/SEPTIN6 Polyclonal Antibody | anti-SEPTIN6 antibody

Anti-SEPT6/SEPTIN6 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126584	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

SEPT6/SEPTIN6; Polyclonal Antibody; Anti-SEPT6/SEPTIN6 Antibody Picoband; anti-SEPTIN6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-SEPTIN6 antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human SEPT6/SEPTIN6 recombinant protein (Position: M1-E434).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.

IMAGES



FCM/FACS (Flow Cytometry)

Figure 5. Flow Cytometry analysis of HEL cells using anti-SEPT6/SEPTIN6 antibody (AAA126584).Overlay histogram showing HEL cells stained with AAA126584 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SEPT6/SEPTIN6 Antibody (AAA126584, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



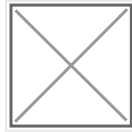
FCM/FACS (Flow Cytometry)

Figure 4. Flow Cytometry analysis of ANA-1 cells using anti-SEPT6/SEPTIN6 antibody (AAA126584).Overlay histogram showing ANA-1 cells stained with AAA126584 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SEPT6/SEPTIN6 Antibody (AAA126584, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



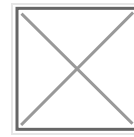
IHC (Immunohistochemisry)

Figure 3. IHC analysis of SEPT6/SEPTIN6 using anti-SEPT6/SEPTIN6 antibody (AAA126584).SEPT6/SEPTIN6 was detected in a paraffin-embedded section of human tonsil tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-SEPT6/SEPTIN6 Antibody (AAA126584) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of SEPT6/SEPTIN6 using anti-SEPT6/SEPTIN6 antibody (AAA126584).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human SH-SY5Y whole cell lysates,Lane 2: human MOLT-4 whole cell lysates,Lane 3: rat thymus tissue lysates,Lane 4: rat brain tissue lysates,Lane 5: mouse brain tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-SEPT6/SEPTIN6 antigen affinity purified polyclonal antibody (#AAA126584) at 0.25 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for SEPT6/SEPTIN6 at approximately 55 kDa. The expected band size for SEPT6/SEPTIN6 is at 50 kDa.



IHC (Immunohiostchemistry)

Figure 2. IHC analysis of SEPT6/SEPTIN6 using anti-SEPT6/SEPTIN6 antibody (AAA126584).SEPT6/SEPTIN6 was detected in a paraffin-embedded section of human spleen tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-SEPT6/SEPTIN6 Antibody (AAA126584) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-SEPTIN6 antibody	Septin-6 is a protein that in humans is encoded by the SEPT6 gene. This gene is a member of the septin family of GTPases. Members of this family are required for cytokinesis. One version of pediatric acute myeloid leukemia is the result of a reciprocal translocation between chromosomes 11 and X, with the breakpoint associated with the genes encoding the mixed-lineage leukemia and septin 2 proteins. This gene encodes four transcript variants encoding three distinct isoforms. An additional transcript variant has been identified, but its biological validity has not been determined.
Product Categories/Family for anti-SEPTIN6 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361478
NCBI GeneID	23157
NCBI Accession #	NP_055944.2
NCBI GenBank Nucleotide #	NM_015129.5
UniProt Accession #	Q14141 ; Q5JTK0 ; Q969W5 ; Q96A13 ; Q96GR1 ; Q96P86 ; Q96P87
Molecular Weight	49,717 Da
NCBI Official Full Name	septin-6 isoform B
NCBI Official Synonym Full Names	septin 6
NCBI Official Symbol	SEPT6
NCBI Official Synonym Symbols	SEP2; SEPT2; RP5-876A24.2

NCBI Protein Information	sepin-6; sepin 2
UniProt Protein Name	Sepin-6
UniProt Gene Name	SEPT6
UniProt Synonym Gene Names	KIAA0128; SEP2
UniProt Entry Name	SEPT6_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/sept6-sepin6-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/126584>