

Rabbit anti-Human, Rat SEPT5/SEPTIN5 Polyclonal Antibody | anti-SEPTIN5 antibody

Anti-SEPT5/SEPTIN5 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126590	Rabbit	Human, Rat	Flow Cytometry, Functional Assay, Western Blot

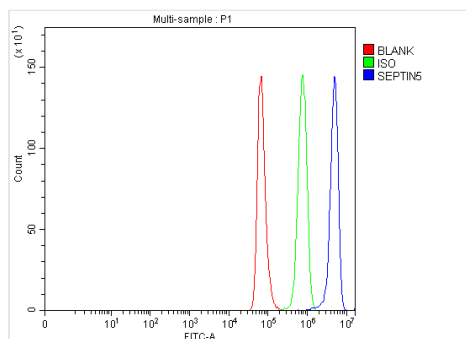
PRODUCT SYNONYMS

SEPT5/SEPTIN5; Polyclonal Antibody; Anti-SEPT5/SEPTIN5 Antibody Picoband; anti-SEPTIN5 antibody

PRODUCT SPECIFICATIONS

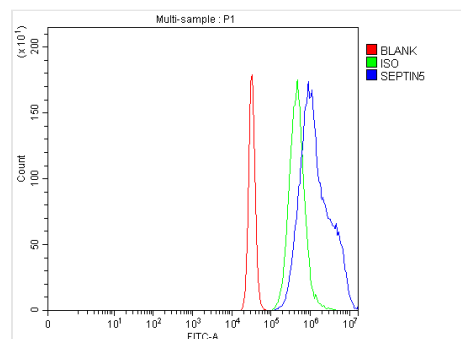
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-SEPTIN5 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence of human SEPT5/SEPTIN5 (HYENYRAHCIQQMTSKLTQD).
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



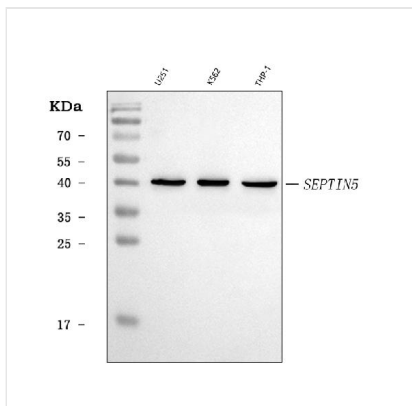
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of NRK cells using anti-SEPT5/SEPTIN5 antibody (AAA126590). Overlay histogram showing NRK cells stained with AAA126590 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SEPT5/SEPTIN5 Antibody (AAA126590, 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 2. Flow Cytometry analysis of K562 cells using anti-SEPT5/SEPTIN5 antibody (AAA126590). Overlay histogram showing K562 cells stained with AAA126590 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SEPT5/SEPTIN5 Antibody (AAA126590, 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.



WB (Western Blot)

Figure 1. Western blot analysis of SEPT5/SEPTIN5 using anti-SEPT5/SEPTIN5 antibody (AAA126590). 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 U251 whole cell lysates, Lane 2: human K562 whole cell lysates, Lane 3: human THP-1 whole cell 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-SEPT5/SEPTIN5 antigen affinity purified polyclonal antibody (#AAA126590) at 0.5 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 SEPT5/SEPTIN5 at approximately 42 kDa. The expected band size for SEPT5/SEPTIN5 is at 42 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-SEPTIN5 antibody	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 (AACAAT) 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.
Product Categories/Family for anti-SEPTIN5 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	6685760
NCBI GeneID	5413
UniProt Accession #	Q99719; O15251; Q96MY5
Molecular Weight	369
NCBI Official Full Name	Septin-5
NCBI Official Synonym Full Names	septin 5
NCBI Official Symbol	SEPT5
NCBI Official Synonym Symbols	H5; CDCREL; PNUTL1; CDCREL1; CDCREL-1; HCDCREL-1
NCBI Protein Information	septin-5; peanut-like 1; platelet glycoprotein Ib beta chain; cell division control related protein 1
UniProt Protein Name	Septin-5
UniProt Gene Name	SEPT5

UniProt Synonym Gene Names	PNUTL1; CDCrel-1
UniProt Entry Name	SEPT5_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/sept5-septin5-antibody-flow-cytometry-western-blot-elisa/126590>