

Rabbit SEPT7/SEPTIN7 Polyclonal Antibody | anti-SEPTIN7 antibody

Anti-SEPT7/SEPTIN7 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126655	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

SEPT7/SEPTIN7; Polyclonal Antibody; Anti-SEPT7/SEPTIN7 Antibody Picoband; anti-SEPTIN7 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-SEPTIN7 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 SEPT7/SEPTIN7 recombinant protein (Position: M1-K351).
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 HeLa cells using anti-SEPT7/SEPTIN7 antibody (AAA126655). Overlay histogram showing HeLa cells stained with AAA126655 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SEPT7/SEPTIN7 Antibody (AAA126655, 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.



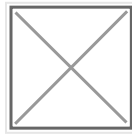
IHC (Immunohistochemistry)

Figure 4. IHC analysis of SEPT7/SEPTIN7 using anti-SEPT7/SEPTIN7 antibody (AAA126655). SEPT7/SEPTIN7 was detected in a paraffin-embedded section of rat brain 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-SEPT7/SEPTIN7 Antibody (AAA126655) 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.



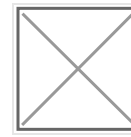
IHC (Immunohistochemisry)

Figure 3. IHC analysis of SEPT7/SEPTIN7 using anti-SEPT7/SEPTIN7 antibody (AAA126655).SEPT7/SEPTIN7 was detected in a paraffin-embedded section of human ovarian cancer 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-SEPT7/SEPTIN7 Antibody (AAA126655) 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 SEPT7/SEPTIN7 using anti-SEPT7/SEPTIN7 antibody (AAA126655).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 Hela whole cell lysates,Lane 2: human MCF-7 whole cell lysates,Lane 3: human HepG2 whole cell lysates,Lane 4: human A431 whole cell lysates,Lane 5: human U20S whole cell lysates,Lane 6: human A375 whole cell lysates,Lane 7: rat testis tissue lysates,Lane 8: rat brain tissue lysates,Lane 9: rat stomach tissue lysates,Lane 10: rat PC-12 whole cell lysates,Lane 11: mouse brain tissue lysates,Lane 12: mouse Neuro-2a whole cell lysates.red 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-SEPT7/SEPTIN7 antigen affinity purified polyclonal antibody (#AAA126655) 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 SEPT7/SEPTIN7 at approximately 51 kDa. The expected band size for SEPT7/SEPTIN7 is at 51 kDa.



IHC (Immunohiostchemistry)

Figure 2. IHC analysis of SEPT7/SEPTIN7 using anti-SEPT7/SEPTIN7 antibody (AAA126655).SEPT7/SEPTIN7 was detected in a paraffin-embedded section of human colorectal adenocarcinoma 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-SEPT7/SEPTIN7 Antibody (AAA126655) 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-SEPTIN7 antibody	This gene encodes a protein that is highly similar to the CDC10 protein of <i>Saccharomyces cerevisiae</i> . The protein also shares similarity with Diff 6 of <i>Drosophila</i> and with H5 of mouse. Each of these similar proteins, including the yeast CDC10, contains a GTP-binding motif. The yeast CDC10 protein is a structural component of the 10 nm filament which lies inside the cytoplasmic membrane and is essential for cytokinesis. This human protein functions in gliomagenesis and in the suppression of glioma cell growth, and it is required for the association of centromere-associated protein E with the kinetochore. Alternative splicing results in multiple transcript variants. Several related pseudogenes have been identified on chromosomes 5, 7, 9, 10, 11, 14, 17 and 19.
Product Categories/Family for anti-SEPTIN7 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	148352331
NCBI GeneID	989
NCBI Accession #	NP_001779.3
NCBI GenBank Nucleotide #	NM_001788.5
UniProt Accession #	Q16181; Q52M76; Q6NX50
Molecular Weight	50,680 Da
NCBI Official Full Name	septin-7 isoform 1

NCBI Official Synonym Full Names	septin 7
NCBI Official Symbol	SEPT7
NCBI Official Synonym Symbols	CDC3; CDC10; SEPT7A; NBLA02942
NCBI Protein Information	septin-7; CDC10 protein homolog; CDC10 (cell division cycle 10, S. cerevisiae, homolog)
UniProt Protein Name	Septin-7
UniProt Gene Name	SEPT7
UniProt Synonym Gene Names	CDC10
UniProt Entry Name	SEPT7_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/sept7-septin7-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/126655>