

Rabbit STMN3 Polyclonal Antibody | anti-STMN3 antibody

Anti-STMN3 Antibody Picoband

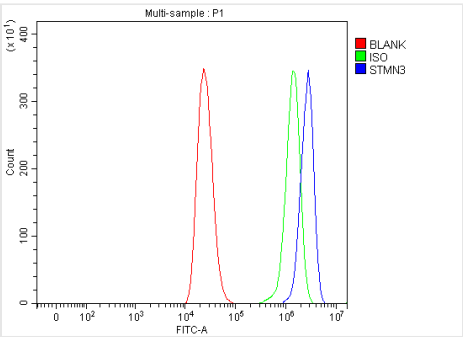
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127539	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

STMN3; Polyclonal Antibody; Anti-STMN3 Antibody Picoband; Annexin A8 ; Annexin VIII ; Annexin-8 ; Vascular anticoagulant-beta ; VAC-beta ; ANXA8 ; ANX8; anti-STMN3 antibody

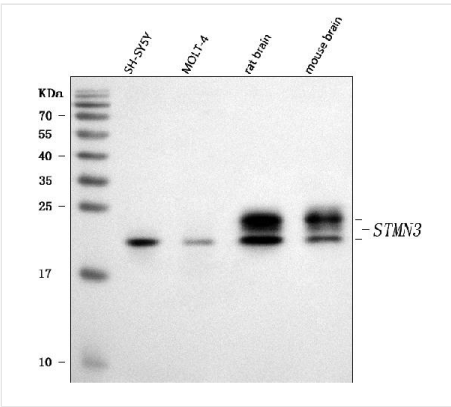
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Ubiquitously expressed.
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 .
Applicable Applications for anti-STMN3 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human STMN3 recombinant protein (Position: F25-H156).
Subcellular Localization	Cell membrane, Multi-pass membrane protein, Cell junction, gap junction
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	This protein is an anticoagulant protein that acts as an inhibitor of the thromboplastin-specific complex, which is involved in the blood coagulation cascade.
Preparation and Storage	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.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of THP-1 cells using anti-STMN3 antibody (AAA127539). Overlay histogram showing THP-1 cells stained with AAA127539 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-STMN3 Antibody (AAA127539, 1ug/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 (1ug/1x106) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



WB (Western Blot)

Figure 1. Western blot analysis of STMN3 using anti-STMN3 antibody (AAA127539). 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 brain tissue lysates, Lane 4: 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-STMN3 antigen affinity purified polyclonal antibody (#AAA127539) at 0.5ug/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 STMN3 at approximately 21-25 kDa. The expected band size for STMN3 is at 21 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-STMN3 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-STMN3 antibody	Primary Antibodies; Signal Transduction; Cardiovascular; Cytoskeleton; Cytoskeleton/ECM; Actin Binding Proteins; Actin, etc.; Microfilaments; Cell Adhesion
References	1. Bieche, I., Maucuer, A., Laurendeau, I., Lachkar, S., Spano, A. J., Frankfurter, A., Levy, P., Manceau, V., Sobel, A., Vidaud, M., Curmi, P. A. Expression of stathmin family genes in human tissues: non-neural-restricted expression for SCLIP. Genomics 81: 400-410, 2003. 2. Gavet, O., Ozon, S., Manceau, V., Lawler, S., Curmi, P., Sobel, A. The stathmin phosphoprotein family: intracellular localization and effects on the microtubule network. J. Cell Sci. 111: 3333-3346, 1998.3. Hartz, P. A. Personal Communication. Baltimore, Md. 12/23/2003.

NCBI AND UNIPROT INFORMATION

NCBI GI #	14670375
NCBI GeneID	50861
NCBI Accession #	NP_056978.2
NCBI GenBank Nucleotide #	NM_015894.3
UniProt Accession #	Q9NZ72; O75527; Q969Y4; B3KSQ5; B7WP52
Molecular Weight	21,017 Da
NCBI Official Full Name	stathmin-3 isoform 1
NCBI Official Synonym Full Names	stathmin-like 3
NCBI Official Symbol	STMN3

NCBI Official Synonym Symbols	SCLIP
NCBI Protein Information	stathmin-3; SCG10-like protein; SCG10-like-protein
UniProt Protein Name	Stathmin-3
UniProt Gene Name	STMN3
UniProt Synonym Gene Names	SCLIP
UniProt Entry Name	STMN3_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://www.aaabiotech.com/polyclonal/stmn3-antibody-flow-cytometry-western-blot-elisa/127539>