

Rabbit anti-Human Syntaxin 18/STX18 Polyclonal Antibody | anti-STX18 antibody

Anti-Syntaxin 18/STX18 Antibody Picoband

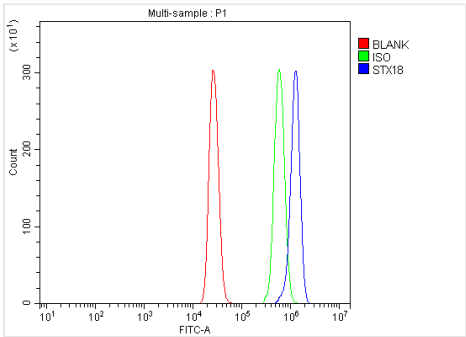
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19967	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Syntaxin 18/STX18; Polyclonal Antibody; Anti-Syntaxin 18/STX18 Antibody Picoband; solute carrier family 2 member 6; Solute carrier family 2; facilitated glucose transporter member 6; Glucose transporter type 6; GLUT-6; Glucose transporter type 9; GLUT-9; SLC2A6; GLUT9; anti-STX18 antibody

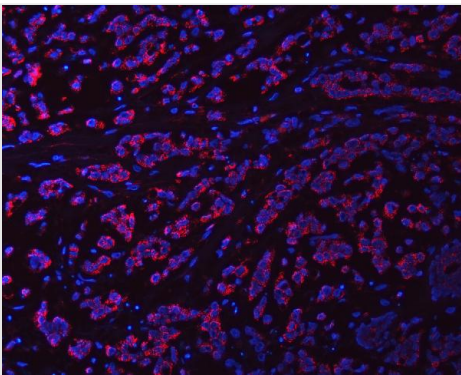
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Highly Expressed in brain, spleen and peripheral blood leukocytes.
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-STX18 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	WB: 0.25-0.5ug/ml, Human IHC(Paraffin-embedded Section): 2-5ug/ml, Human IF: 5ug/ml, Human FC/FACS (Fixed): 1-3ug/1x10 ⁶ cells, Human ELISA: 0.1-0.5ug/ml
Immunogen	E coli-derived human Syntaxin 18/STX18 recombinant protein (Position: M1-R313).
Subcellular Localization	Cell membrane. Multi-pass membrane protein
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	Facilitative glucose transporter; binds cytochalasin B with low affinity.
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 (Flow Cytometry)

Figure 9. Flow Cytometry analysis of U937 cells using anti-Syntaxin 18/STX18 antibody (AAA19967).Overlay histogram showing U937 cells stained with AAA19967 (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-Syntaxin 18/STX18 Antibody (AAA19967, 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.



IF (Immunofluorescence)

Figure 8. IF analysis of Syntaxin 18/STX18 using anti-Syntaxin 18/STX18 antibody (AAA19967).Syntaxin 18/STX18 was detected in a paraffin-embedded section of human breast 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 5ug/mL rabbit anti-Syntaxin 18/STX18 Antibody (AAA19967) overnight at 4 degree C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

NCBI GeneID	53407
NCBI Accession #	NP_058626.1
NCBI GenBank Nucleotide #	NM_016930.3
UniProt Accession #	Q9P2W9; Q596L3; Q5TZP5
Molecular Weight	38,674 Da
NCBI Official Full Name	syntaxin-18 isoform 1
NCBI Official Synonym Full Names	syntaxin 18
NCBI Official Symbol	STX18
NCBI Official Synonym Symbols	Ufe1
NCBI Protein Information	syntaxin-18
UniProt Protein Name	Syntaxin-18
UniProt Gene Name	STX18

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/syntaxin-18-stx18-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/19967>