

Rabbit anti-Human Syntaxin 10/STX10 Polyclonal Antibody | anti-STX10 antibody

Anti-Syntaxin 10/STX10 Antibody Picoband

CATALOG # AAA127753	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Flow Cytometry, Functional Assay, Western Blot
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PRODUCT SYNONYMS

Syntaxin 10/STX10; Polyclonal Antibody; Anti-Syntaxin 10/STX10 Antibody Picoband; anti-STX10 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
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-STX10 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human Syntaxin 10/STX10 recombinant protein (Position: K77-K218).
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
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.

IMAGES



IF (Immunofluorescence)

Figure 3. IF analysis of Syntaxin 10/STX10 using anti-Syntaxin 10/STX10 antibody (AAA127753).Syntaxin 10/STX10 was detected in immunocytochemical section of A549 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-Syntaxin 10/STX10 Antibody (AAA127753) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 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.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of JK cells using anti-Syntaxin 10/STX10 antibody (AAA127753).Overlay histogram showing JK cells stained with AAA127753 (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 10/STX10 Antibody (AAA127753, 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 Syntaxin 10/STX10 using anti-Syntaxin 10/STX10 antibody (AAA127753). 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 PC-3 whole cell lysates, Lane 4: human Jurkat 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-Syntaxin 10/STX10 antigen affinity purified polyclonal antibody (#AAA127753) 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 Syntaxin 10/STX10 at approximately 32 kDa. The expected band size for Syntaxin 10/STX10 is at 28 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-STX10 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-STX10 antibody	Primary Antibodies
References	1. Tang, B. L., Low, D. Y. H., Tan, A. E. H., Hong, W. Syntaxin 10: a member of the syntaxin family localized to the trans-Golgi network. Biochem. Biophys. Res. Commun. 242: 345-350, 1998.

NCBI AND UNIPROT INFORMATION

NCBI GI #	48146337
NCBI GeneID	8677
UniProt Accession #	O60499; Q6IAP4; Q96AE8; A6NC41
Molecular Weight	22,445 Da
NCBI Official Full Name	STX10
NCBI Official Synonym Full Names	syntaxin 10
NCBI Official Symbol	STX10
NCBI Official Synonym Symbols	SYN10; hsyn10
NCBI Protein Information	syntaxin-10
UniProt Protein Name	Syntaxin-10
UniProt Gene Name	STX10
UniProt Synonym Gene Names	SYN10; Syn10

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.