

Rabbit anti-Human MYL6 Polyclonal Antibody | anti-MYL6 antibody

Anti-MYL6 Antibody Picoband

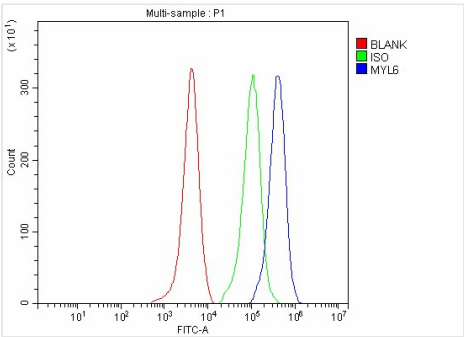
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127601	Rabbit	Human	Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

MYL6; Polyclonal Antibody; Anti-MYL6 Antibody Picoband; Myosin light polypeptide 6; myosin light chain 6; 17 kDa myosin light chain; LC17; Myosin light chain 3; MLC-3; Myosin light chain alkali 3; Myosin light chain A3; Smooth muscle and nonmuscle myosin light chain alkali 6; anti-MYL6 antibody

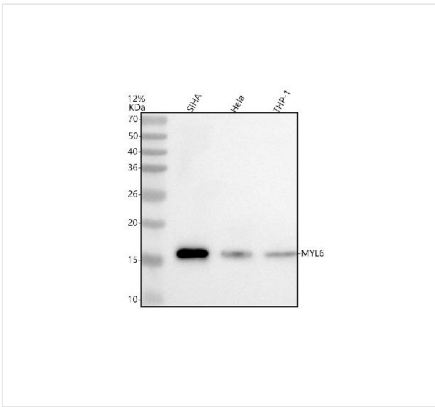
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
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 .
Applicable Applications for anti-MYL6 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human MYL6.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins
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 Hela cells using anti-MYL6 antibody (AAA127601). Overlay histogram showing Hela cells stained with AAA127601 (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-MYL6 Antibody (AAA127601, 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 MYL6 using anti-MYL6 antibody (AAA127601). 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 SiHa whole cell lysates, Lane 2: human Hela 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-MYL6 antigen affinity purified polyclonal antibody (#AAA127601) 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 MYL6 at approximately 16 kDa. The expected band size for MYL6 is at 16 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-MYL6 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-MYL6 antibody	Primary Antibodies
References	1. Bora, P. S., Bora, N. S., Wu, X., Kaplan, H. J., Lange, L. G. Molecular cloning, sequencing, and characterization of smooth muscle myosin alkali light chain from human eye cDNA: homology with myocardial fatty acid ethyl ester synthase-III cDNA. Genomics 19: 186-188, 1994.2. Hailstones, D. L., Gunning, P. W. Characterization of human myosin light chains 1sa and 3nm: implications for isoform evolution and function. Molec. Cell. Biol. 10: 1095-1104, 1990.3. Lenz, S., Lohse, P., Seidel, U., Arnold, H.-H. The alkali light chains of human smooth and nonmuscle myosins are encoded by a single gene: tissue-specific expression by alternative splicing pathways. J. Biol. Chem. 264: 9009-9015, 1989.

NCBI AND UNIPROT INFORMATION

NCBI GI #	17986258
NCBI GeneID	4637
NCBI Accession #	NP_066299.2
NCBI GenBank Nucleotide #	NM_021019.4
UniProt Accession #	P60660; P16475; P24572; P24573; Q12790; Q561V9; Q6IAZ0; Q6IPY5
Molecular Weight	16,930 Da
NCBI Official Full Name	myosin light polypeptide 6 isoform 1
NCBI Official Synonym Full Names	myosin, light chain 6, alkali, smooth muscle and non-muscle

NCBI Official Symbol	MYL6
NCBI Official Synonym Symbols	LC17; ESMLC; LC17A; LC17B; MLC-3; MLC1SM; MLC3NM; MLC3SM; LC17-GI; LC17-NM
NCBI Protein Information	myosin light polypeptide 6; myosin light chain A3; 17 kDa myosin light chain; myosin light chain alkali 3; myosin, light polypeptide 6, alkali, smooth muscle and non-muscle
UniProt Protein Name	Myosin light polypeptide 6
UniProt Gene Name	MYL6
UniProt Synonym Gene Names	LC17; MLC-3
UniProt Entry Name	MYL6_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/myl6-antibody-flow-cytometry-western-blot-elisa/127601>