

Rabbit MLX Polyclonal Antibody | anti-MLX antibody

Anti-MLX Antibody Picoband

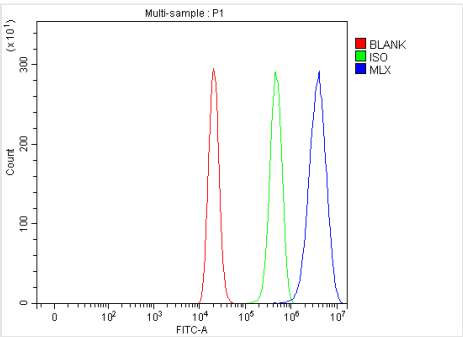
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126280	Rabbit	Human, Monkey, Mouse	Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

MLX; Polyclonal Antibody; Anti-MLX Antibody Picoband; anti-MLX antibody

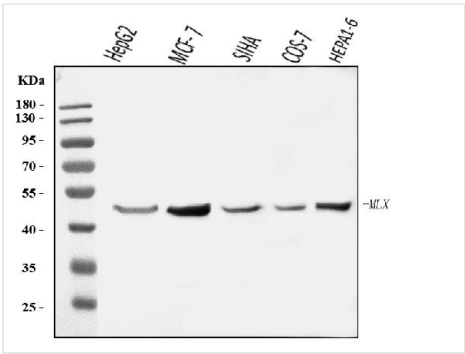
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Monkey, Mouse
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-MLX antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence of human MLX (FQELSACVFSWIEEHCKPQTLREIVIGVLHQLKNQLY).
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.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of THP-1 cells using anti-MLX antibody (AAA126280).Overlay histogram showing THP-1 cells stained with AAA126280 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-MLX Antibody (AAA126280, 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.



WB (Western Blot)

Figure 1. Western blot analysis of MLX using anti-MLX antibody (AAA126280).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 HepG2 whole cell lysates,Lane 2: human MCF-7 whole cell lysates,Lane 3: human SiHa whole cell lysates,Lane 4: monkey COS-7 whole cell lysates,Lane 5: mouse HEP1.6 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-MLX antigen affinity purified polyclonal antibody (#AAA126280) 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 MLX at approximately 50 kDa. The expected band size for MLX is at 50 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-MLX antibody	Max-like protein X is a protein that in humans is encoded by the MLX gene. The product of this gene belongs to the family of basic helix-loop-helix leucine zipper (bHLH-Zip) transcription factors. These factors form heterodimers with Mad proteins and play a role in proliferation, determination and differentiation. This gene product may act to diversify Mad family function by its restricted association with a subset of the Mad family of transcriptional repressors, namely, Mad1 and Mad4. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene.
Product Categories/Family for anti-MLX antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	24586667
NCBI GeneID	6945
NCBI Accession #	NP_733752.1
NCBI GenBank Nucleotide #	NM_170607.2
UniProt Accession #	Q9UHQ2; Q53XM6; Q96FL2; Q9H2V0; Q9H2V1; Q9H2V2; Q9NXN3; A8K2J3; B2RAV8; B2RD73
Molecular Weight	33,300 Da
NCBI Official Full Name	max-like protein X isoform gamma
NCBI Official Synonym Full Names	MLX, MAX dimerization protein
NCBI Official Symbol	MLX
NCBI Official Synonym Symbols	MAD7; MXD7; TCFL4; bHLHd13
NCBI Protein Information	max-like protein X; BigMax protein; MAX-like bHLHZIP protein; transcription factor-like protein 4; class D basic helix-loop-helix protein 13

UniProt Protein Name	Max-like protein X
UniProt Gene Name	MLX
UniProt Synonym Gene Names	BHLHD13; TCFL4; bHLHd13
UniProt Entry Name	MLX_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/mlx-antibody-flow-cytometry-western-blot-elisa/126280>