

Rabbit anti-Human Mkl1/MRTFA Polyclonal Antibody | anti-MRTFA antibody

Anti-Mkl1/MRTFA Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126663	Rabbit	Human	Western Blot, Immunocytochemistry, Immunofluorescence, ELISA

PRODUCT SYNONYMS

Mkl1/MRTFA; Polyclonal Antibody; Anti-Mkl1/MRTFA Antibody Picoband; anti-MRTFA 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 .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-MRTFA antibody	WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence), ELISA
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human Mkl1/MRTFA recombinant protein (Position: L192-L931).
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.

IMAGES



IF (Immunofluorescence)

Figure 2. IF analysis of Mkl1/MRTFA using anti-Mkl1/MRTFA antibody (AAA126663). Mkl1/MRTFA was detected in an immunocytochemical section of SiHa cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-Mkl1/MRTFA Antibody (AAA126663) 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.



WB (Western Blot)

Figure 1. Western blot analysis of Mkl1/MRTFA using anti-Mkl1/MRTFA antibody (AAA126663). 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. 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-Mkl1/MRTFA antigen affinity purified polyclonal antibody (#AAA126663) 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 Mkl1/MRTFA at approximately 145 kDa. The expected band size for Mkl1/MRTFA is at 145 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-MRTFA antibody	The protein encoded by this gene interacts with the transcription factor myocardin, a key regulator of smooth muscle cell differentiation. The encoded protein is predominantly nuclear and may help transduce signals from the cytoskeleton to the nucleus. This gene is involved in a specific translocation event that creates a fusion of this gene and the RNA-binding motif protein-15 gene. This translocation has been associated with acute megakaryocytic leukemia. Alternative splicing results in multiple transcript variants.
Product Categories/Family for anti-MRTFA antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	14269566
NCBI GeneID	57591
NCBI Accession #	NP_065882.1
NCBI GenBank Nucleotide #	NM_020831.3
UniProt Accession #	Q969V6; Q8TCL1; Q96SC5; Q96SC6; Q9P2B0
Molecular Weight	98,919 Da
NCBI Official Full Name	MKL/myocardin-like protein 1
NCBI Official Synonym Full Names	megakaryoblastic leukemia (translocation) 1
NCBI Official Symbol	MKL1
NCBI Official Synonym Symbols	MAL; BSAC; MRTF-A
NCBI Protein Information	MKL/myocardin-like protein 1; basic, SAP and coiled-coil domain; megakaryoblastic leukemia 1 protein; megakaryocytic acute leukemia protein; myocardin-related transcription factor A; RNA-binding motif protein 15/megakaryoblastic leukemia-1 fusion protein
UniProt Protein Name	MKL/myocardin-like protein 1
UniProt Gene Name	MKL1
UniProt Synonym Gene Names	KIAA1438; MAL; MRTF-A
UniProt Entry Name	MKL1_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://stage.aaabiotech.com/polyclonal/mkl1-mrtfa-antibody-western-blot-immunocytochemistry-immunofluorescence-elisa/126663>