Rabbit anti-Human, Mouse MKL1 Polyclonal Antibody | anti-MKL1 antibody

MKL1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324084	**Rabbit**	**Human, Mouse**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

PRODUCT SYNONYMS

MKL1; Polyclonal Antibody; MKL1 Antibody; AI852829; AMKL; AW743281; AW821984; Basic SAP coiled-coil transcription activator; Bsac; KIAA1438; Mal; Megakaryoblastic leukemia 1 protein; Megakaryocytic acute leukemia protein; MKL (megakaryoblastic leukemia)/myocardin like 1; MKL/myocardin like protein 1; MKL/myocardin-like protein 1; Mkl1; MKL1_HUMAN; MRTF A; Mrtf A; MRTF-A; MRTFA; MYOCARDIN RELATED PROTEIN; Myocardin related transcription factor A; Myocardin-related transcription factor A; anti-MKL1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	MKL1 antibody detects endogenous levels of total MKL1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	931
Applicable Applications for anti-MKL1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm. Nucleus. Binding to globular actin is required to maintain cytoplasmic localization.
Tissue Specificity	Ubiquitously expressed, has been detected in lung, placenta, small intestine, liver, kidney, spleen, thymus, colon, muscle, heart and brain.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES

IF (Immunofluorescence)
AAA324084 staining HuvEc cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

WB (Western Blot)
Western blot analysis of extracts from HeLa cells using MKL1 antibody.The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-MKL1 antibody	Function: Transcriptional coactivator of serum response factor (SRF) with the potential to modulate SRF target genes. Suppresses TNF-induced cell death by inhibiting activation of caspases; its transcriptional activity is indispensable for the antiapoptotic function. It may up-regulate antiapoptotic molecules, which in turn inhibit caspase activation (By similarity). Subunit Structure: Forms with SCAI and SRF a nuclear ternary complex which binds the CArG consensus motif (CArG box) on DNA via SRF. Interacts with ACTB; interaction with ACTB prevents interaction with SCAI. Interacts with MKL2 (By similarity). Similarity: The N-terminal region is required for nuclear localization and the C-terminal region mediates transcriptional activity.The RPEL repeats mediate binding to globular actin.

NCBI AND UNIPROT INFORMATION

NCBI GI #	544186096
NCBI GeneID	57591
NCBI Accession #	NP_001269589.1
NCBI GenBank Nucleotide #	NM_001282660.1
UniProt Accession #	Q969V6; Q8TCL1; Q96SC5; Q96SC6; Q9P2B0
Molecular Weight	Observed: 99 kD Predicted: 99 kDa
NCBI Official Full Name	myocardin-related transcription factor A isoform 1
NCBI Official Synonym Full Names	myocardin related transcription factor A
NCBI Official Symbol	MRTFA
NCBI Official Synonym Symbols	MAL; MKL; BSAC; MKL1; MRTF-A
NCBI Protein Information	myocardin-related transcription factor A; MKL/myocardin-like protein 1
UniProt Protein Name	Myocardin-related transcription factor A
UniProt Gene Name	**MRTFA**
UniProt Synonym Gene Names	MRTF-ACurated

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
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