

Rabbit MYOCD Polyclonal Antibody | anti-MYOCD antibody

MYOCD Antibody

CATALOG # AAA323424	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot
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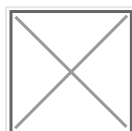
PRODUCT SYNONYMS

MYOCD; Polyclonal Antibody; MYOCD Antibody; MYCD; MYCD_HUMAN; Myocardin; Myocd; anti-MYOCD antibody

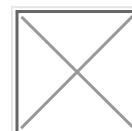
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MYOCD antibody detects endogenous levels of total MYOCD
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	986
Applicable Applications for anti-MYOCD antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus.
Tissue Specificity	Expressed in heart, aorta, and in smooth muscle cell-containing tissues: stomach, bladder, small intestine, colon, lung, placenta and uterus. Very faint expression in prostate and skeletal muscle.
Predicted Cross Reactivity	Bovine, Horse, Rabbit, Dog, Chicken, Xenopus
Similarity	Bovine (89%), Horse (89%), Rabbit (100%), Dog (89%), Chicken (100%), Xenopus (88%)
Conjugation	Unconjugated

IMAGES


WB (Western Blot)

Western blot analysis of extracts from rat brain, using MYOCD Antibody.


WB (Western Blot)

Western blot analysis of MYOCD expression in HEK293 cells, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-MYOCD antibody	Description: Transcriptional factor that uses the canonical single or multiple CArG boxes DNA sequence. Binds CArG boxes only in the presence of serum response factor (SRF). Acts as a cofactor of SRF and modulates SRF-target genes. Regulates the expression of a set of cardiac and smooth muscle-specific genes. Plays a crucial role in cardiogenesis and differentiation of the smooth muscle cell lineage. Function: Smooth muscle cells (SM) and cardiac muscle cells-specific transcriptional factor which uses the canonical single or multiple CArG boxes DNA sequence. Acts as a cofactor of serum response factor (SRF) with the potential to modulate SRF-target genes. Plays a crucial role in cardiogenesis and differentiation of the smooth muscle cell lineage (myogenesis) (By similarity). Subunit Structure: Homodimer. Interacts with SRF, its association does not depend on specific DNA sequences for ternary complex formation (By similarity). Interacts with MLLT7/FOXO4. Interacts (via C-terminal) with EP300 (via the CREB-binding domain). Interacts with HDAC4 and HDAC5 (By similarity). Interacts with MEF2C (By similarity). Post-translational Modifications: Phosphorylation regulates negatively the intrinsic myocardin transcriptional activity. Similarity: The C-terminal region contains a general transcription activation domain. The N-terminal region, comprising a basic and a Gln-rich domain, confers transcriptional potency and specificity by mediating association with the MADS box of SRF. The basic domain may be required for nuclear localization. The SAP domain is important for transactivation and ternary complex formation (By similarity).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	226423889
NCBI GeneID	93649
NCBI Accession #	NP_001139784.1
NCBI GenBank Nucleotide #	NM_001146312.2
UniProt Accession #	Q8IZQ8; Q5UBU5; Q8N7Q1
Molecular Weight	Observed: 100 kDa Predicted: 102 kDa
NCBI Official Full Name	myocardin isoform 1
NCBI Official Synonym Full Names	myocardin
NCBI Official Symbol	MYOCD
NCBI Official Synonym Symbols	MYCD
NCBI Protein Information	myocardin
UniProt Protein Name	Myocardin
UniProt Gene Name	MYOCD
UniProt Synonym Gene Names	MYCD

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.