Product Name: MYCD Rabbit Polyclonal Antibody
Catalog #: APRab14266

Summary

Production Name	MYCD Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	MYOCD MYCD
Alternative Names	
Gene ID	93649.0
SwissProt ID	Q8IZQ8. Synthesized peptide derived from human protein . at AA range: 200-280

Application

Dilution Ratio	WB 1:500-2000, ELISA 1:5000-20000
Molecular Weight	103kDa

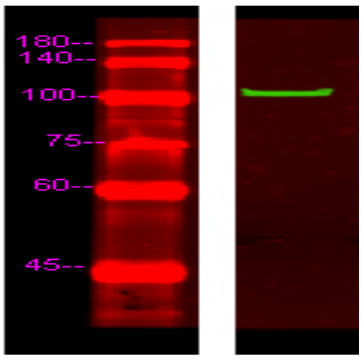
Background

This gene encodes a nuclear protein, which is expressed in heart, aorta, and in smooth muscle cell-containing tissues. It functions as a transcriptional co-activator of serum response factor (SRF) and modulates expression of cardiac and smooth

muscle-specific SRF-target genes, and thus may play a crucial role in cardiogenesis and differentiation of the smooth muscle cell lineage. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009],domain: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.,function: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.,similarity:Contains 1 SAP domain.,similarity:Contains 3 RPEL repeats.,subunit:Homodimer. Interacts with SRF, its association does not depend on specific DNA sequences for ternary complex formation (By similarity). Interacts with MLLT7/FOXO4.,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.,

Research Area

Image Data



Western Blot analysis of Hela lysis, using primary antibody at 1:1000 dilution. Secondary antibody was diluted at 1:10000

Note

For research use only.