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Mouse Myocd Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20988c

Specification

Mouse Myocd Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q8VIM5
Other Accession	Q8R5I7, Q7YR76, Q8IZQ8
Reactivity	**Mouse**
Predicted	**Human, Pig, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**

Mouse Myocd Antibody (C-term) - Additional Information

Gene ID 214384

Other Names
Myocardin, Basic SAP coiled-coil transcription activator 2, SRF cofactor protein, Myocd, Bsac2, Mycd, Srfcp

Target/Specificity
This Mouse Myocd antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 743-777 amino acids from the C-terminal region of Mouse Myocd.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Mouse Myocd Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Mouse Myocd Antibody (C-term) - Protein Information

Name Myocd

Synonyms Bsac2, Mycd, Srfcp

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, urinary bladder development, and differentiation of the smooth muscle cell lineage (myogenesis). Positively regulates the transcription of genes involved in vascular smooth muscle contraction (By similarity).

Cellular Location
Nucleus speckle. Note=Nuclear, with a punctate intranuclear pattern with exclusion from nuclei

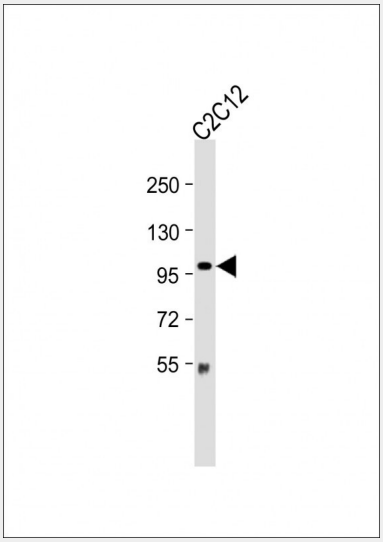
Tissue Location
Expressed in smooth muscle cell-containing tissues (PubMed:12663482). Expressed in the heart (PubMed:11439182, PubMed:14645532, PubMed:12640126, PubMed:12663482, PubMed:20385216) Expressed in the aorta and bladder (PubMed:12640126, PubMed:12663482, PubMed:20385216). Weakly expression in the lung, testis and kidney (PubMed:14645532). Weakly expressed in the stomach (PubMed:12640126, PubMed:12663482). Weakly expressed in the intestine and colon (PubMed:12663482). [Isoform 3]: Predominantly expressed in cardiac muscle. [Isoform 5]: Predominantly expressed in smooth muscle cell-rich tissues.

Mouse Myocd Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Mouse Myocd Antibody (C-term) - Images



Anti-Myocd Antibody (Cterm) at 1:2000 dilution + C2C12 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 101 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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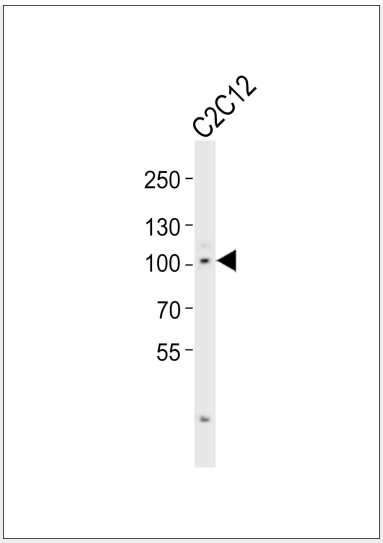

Western blot analysis of lysate from mouse C2C12 cell line, using Myocd Antibody (C-term)(Cat. #AP20988c). AP20988c was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.

Mouse Myocd Antibody (C-term) - Background

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). Isoform 1 mediates the cardiac transcription factor MEF2C-dependent transcription. Isoform 1 and isoform 3 are more active than isoform 2 and isoform 4 in stimulating cardiac muscle promoters.

Mouse Myocd Antibody (C-term) - References

Wang D.-Z.,et al.Cell 105:851-862(2001).
Wang D.-Z.,et al.Proc. Natl. Acad. Sci. U.S.A. 99:14855-14860(2002).
Ueyama T.,et al.Mol. Cell. Biol. 23:9222-9232(2003).
Sawada T.,et al.Submitted (OCT-2001) to the EMBL/GenBank/DDBJ databases.
Du K.L.,et al.Mol. Cell. Biol. 23:2425-2437(2003).