促血管平滑肌细胞分化因子抗体

产品货号： mlR23708

英文名称： Myocardin

中文名称： 促血管平滑肌细胞分化因子抗体

别　　名： MYCD; MYCD_HUMAN; Myocardin; Myocd.

研究领域： 心血管　免疫学　转录调节因子　表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Pig, Cow, Horse, Sheep,

产品应用： IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量： 103kDa

细胞定位： 细胞核

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human Myocardin :671-770/938

亚　　型： **IgG**

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed： PubMed

产品介绍： 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).

Subunit:

Homodimer. Interacts with SRF, its association does not depend on specific DNA sequences for ternary complex formation. 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.

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.

Post-translational modifications:

Phosphorylation regulates negatively the intrinsic myocardin transcriptional activity.

Similarity:

Contains 3 RPEL repeats.

Contains 1 SAP domain.

SWISS:

Q8IZQ8

Gene ID:

93649

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

产品图片