

MKL2 Polyclonal Antibody

Catalog NumberPA5-37105

Product data sheet

| Details | | Species Reactivity | |
|--------------------|--|--|-------------------|
| Size | 100 µL | Species reactivity | Human, Mouse, Rat |
| Host/Isotope | Rabbit / IgG | Tested Applications | Dilution * |
| Class | Polyclonal | | |
| Type | Antibody | Western Blot (WB) | 1:500-1:1,000 |
| Immunogen | A synthetic peptide corresponding to residues in human MRTF-B | * Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls. | |
| Conjugate | Unconjugated | | |
| Form | Liquid | | |
| Concentration | 1 mg/mL | | |
| Purification | Antigen affinity chromatography | | |
| Storage buffer | PBS with 50% glycerol | | |
| Contains | 0.1% sodium azide | | |
| Storage Conditions | Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles. | | |

Product specific information

This antibody detects endogenous protein at a molecular weight of 118 kDa. Purity is >95% by SDS-PAGE.

Background/Target Information

Serum response factor (SRF) is a transcription factor that binds the serum response element (SRE), a sequence that mediates the transient response of many cellular genes to growth stimulation. SRF regulates the transient response of several muscle genes in response to growth factors and recruits accessory myogenic factors to activate these muscle genes. SRF is required for the formation of vertebrate mesoderm leading to the origin of the cardiovascular system. Myocardin, in association with SRF in cardiac muscle cells, activates cardiac muscle promoters. Myocardin-related transcription factors A and B (MRTF-A and MRTF-B) interact with SRF and act as stimulators for its transcriptional activity. MRTF-B is crucial for skeletal myogenic differentiation.

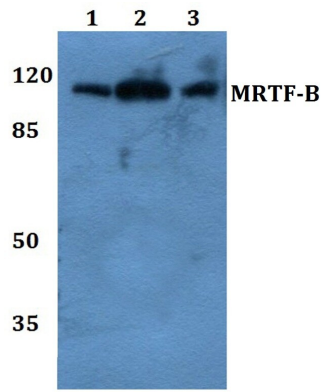
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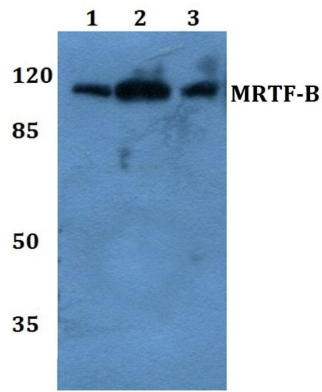
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Product Images For MKL2 Polyclonal Antibody



MKL2 Antibody (PA5-37105) in WB
Western blot analysis of MKL2 in Lane 1: HEK293T whole cell lysate, Lane 2: NIH-3T3 whole cell lysate, Lane 3: H9C2 whole cell lysate. Samples were incubated with MKL2 polyclonal antibody (Product # PA5-37105) at a dilution of 1:500.



MKL2 Antibody (PA5-37105) in WB
Western blot analysis of MRTF-B using MRTF-B polyclonal antibody (Product # PA5-37105) at a dilution of 1:500. Lane 1: HEK293T whole cell lysate, Lane 2: NIH-3T3 whole cell lysate, Lane 3: H9C2 whole cell lysate.

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