

For Research Use Only

MKL1/MRTF-A Recombinant antibody, PBS Only

Catalog Number: 84903-1-PBS



Basic Information

Catalog Number: 84903-1-PBS	GenBank Accession Number: BC115039	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 57591	CloneNo.: 242021B4
Source: Rabbit	UNIPROT ID: Q969V6	
Isotype: IgG	Full Name: megakaryoblastic leukemia (translocation) 1	
Immunogen Catalog Number: AG15308	Calculated MW: 931 aa, 99 kDa	
	Observed MW: 145-160 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

Megakaryocytic leukemia 1 (MKL1), also known as myocardin-related transcription factor A (MRTF-A), is a transcriptional regulator involved in a wide range of pathophysiological processes in the cardiovascular system. MKL1 was initially identified as a co-factor for serum response factor (SRF) to regulate the transcription of contractile genes. Forced expression of MKL1 in non-muscle cells leads to robust up-regulation of contractile genes (PMID: 36587486, PMID: 37199168, PMID: 39222836). MKL1 is ubiquitously expressed and has been detected in lung, placenta, small intestine, liver, kidney, spleen, thymus, colon, muscle, heart, and brain. The molecular weight of MKL1 observed is consistent with what has been described in the literature (PMID: 34944031).

Storage

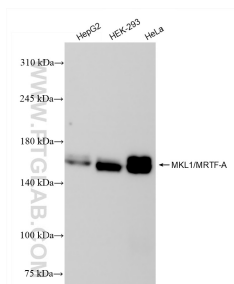
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

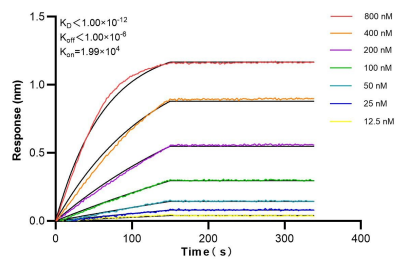
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84903-1-RR (MKL1/MRTF-A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84903-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84903-1-RR against Human MKL1/MRTF-A were performed. The affinity constant is below 1 pM.