

For Research Use Only

MESP1 Polyclonal antibody

Catalog Number:32304-1-AP



Basic Information

Catalog Number: 32304-1-AP	GenBank Accession Number: BC006219	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 550 ug/ml by Nanodrop;	GeneID (NCBI): 55897	Recommended Dilutions: WB: 1:500-1:1000
Source: Rabbit	UNIPROT ID: Q9BRJ9	
Isotype: IgG	Full Name: mesoderm posterior 1 homolog (mouse)	
Immunogen Catalog Number: AG38017	Calculated MW: 268 aa, 29 kDa	
	Observed MW: 31 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : rat skeletal muscle tissue,
Species Specificity: human, rat	

Background Information

MESP1 is a transiently expressed bHLH transcription factor that serves as a master regulator of mesoderm formation and cardiac lineage specification during early embryogenesis. By activating core cardiovascular transcriptional networks and promoting mesodermal cell migration, MESP1 establishes the foundation for heart development. Perturbation of MESP1 function leads to defective mesoderm patterning and congenital heart disease, underscoring its pivotal role in early developmental programming.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

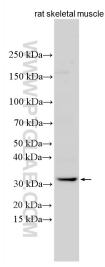
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Rat skeletal muscle tissue lysates were subjected to SDS PAGE followed by western blot with 32304-1-AP (MESP1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.