

For Research Use Only

# MESP1 Polyclonal antibody

Catalog Number: 32304-1-AP



## Basic Information

Catalog Number:

32304-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG38017

GenBank Accession Number:

BC006219

GeneID (NCBI):

55897

UNIPROT ID:

Q9BRJ9

Full Name:

mesoderm posterior 1 homolog  
(mouse)

Calculated MW:

268 aa, 29 kDa

Observed MW:

31 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB: 1:500-1:1000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, rat

Positive Controls:

WB: rat skeletal muscle tissue,

## 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

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

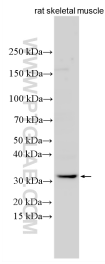
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@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.