

MESP1 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1407a**Specification**

MESP1 Antibody - Product Information

Application	WB
Primary Accession	O9BRJ9
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	28.5kDa KDa

Description

Mesp1 (mesoderm posterior 1) is a basic helix-loop-helix-type transcription factor, which along with its related proteins, has an essential role in both segmentation and rostro-caudal patterning of somites in the anterior pre-somitic mesoderm. Mesp1 is expressed in many of the precursors of the cardiovascular system and is known to play a role in the process of cardiac morphogenesis.

Immunogen

Purified recombinant fragment of human MESP1 expressed in E. Coli.

Formulation

Ascitic fluid containing 0.03% sodium azide.

MESP1 Antibody - Additional Information

Gene ID 55897

Other Names

Mesoderm posterior protein 1, Class C basic helix-loop-helix protein 5, bHLHc5, MESP1, BHLHC5

Dilution

WB~~1/500 - 1/2000

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MESP1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

MESP1 Antibody - Protein Information

Name MESP1

Synonyms BHLHC5

Function

Transcription factor. Plays a role in the epithelialization of somitic mesoderm and in the development of cardiac mesoderm. Defines the rostrocaudal patterning of the somites by participating in distinct Notch pathways (By similarity).

Cellular Location

Nucleus.

MESP1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

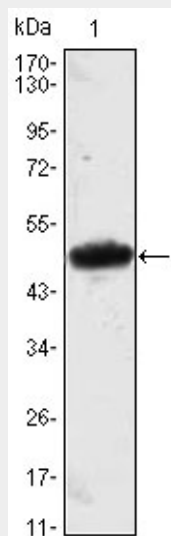
MESP1 Antibody - Images

Figure 1: Western blot analysis using MESP1 mAb against MESP1(AA: 1-200)-hlgGFc transfected HEK293 cell lysate.

MESP1 Antibody - References

1. Proc Natl Acad Sci U S A. 2007 Mar 6;104(10):3859-64.
2. Cell Stem Cell. 2008 Jul 3;3(1):69-84.
3. Circulation. 2008 Jul 29;118(5):507-17.