

MEOX1 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI10403

Specification

MEOX1 antibody - N-terminal region - Product Information

Application	WB, IHC
Primary Accession	P50221
Other Accession	NM_004527 , NP_004518
Reactivity	Human, Mouse, Rat, Pig, Horse, Bovine, Dog
Predicted	Human, Pig, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28kDa KDa

MEOX1 antibody - N-terminal region - Additional Information

Gene ID 4222

Alias Symbol **MOX1**

Other Names

Homeobox protein MOX-1, Mesenchyme homeobox 1, MEOX1, MOX1

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 μ l of distilled water. Final anti-MEOX1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

MEOX1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

MEOX1 antibody - N-terminal region - Protein Information

Name MEOX1

Synonyms MOX1

Function

Mesodermal transcription factor that plays a key role in somitogenesis and is specifically required for sclerotome development. Required for maintenance of the sclerotome polarity and formation of the cranio-cervical joints (PubMed:23290072, PubMed:24073994). Binds specifically to the promoter of target genes and regulates their expression. Activates expression of NKX3-2 in the sclerotome. Activates expression of

CDKN1A and CDKN2A in endothelial cells, acting as a regulator of vascular cell proliferation. While it activates CDKN1A in a DNA-dependent manner, it activates CDKN2A in a DNA-independent manner. Required for hematopoietic stem cell (HSCs) induction via its role in somitogenesis: specification of HSCs occurs via the deployment of a specific endothelial precursor population, which arises within a sub-compartment of the somite named endotome.

Cellular Location

Nucleus {ECO:0000250|UniProtKB:P32442}. Cytoplasm {ECO:0000250|UniProtKB:P32442}. Note=Localizes predominantly in the nucleus. {ECO:0000250|UniProtKB:P32442}

MEOX1 antibody - N-terminal region - 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](#)