

MEOX1 antibody - N-terminal region

Rabbit Polyclonal Antibody Catalog # Al10403

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 ul 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.

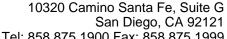
MEOX1 antibody - N-terminal region - Protein Information

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





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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
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture