

MSX1 Antibody

Purified Mouse Monoclonal Antibody Catalog # AO1548a

Specification

MSX1 Antibody - Product Information

Application E, WB
Primary Accession P28360
Reactivity Human
Host Mouse
Clonality Monoclonal
Isotype IgG1
Calculated MW 31kDa KDa

Calculated MW **Description**

Drosophila,muscle segment (msh) homolog 1,homeo domain encoding gene,inhibiting MYOD1 expression,highly expressed in dental mesenchyme during critical bud stage,involved in epithelial-mesenchymal signaling in many organs,and in the pathogenesis of cleft lip and palate,interacting with MSX2 in mouse limb bud patterning .This gene encodes a member of the muscle segment homeobox gene family. The encoded protein functions as a transcriptional repressor during embryogenesis through interactions with components of the core transcription complex and other homeoproteins. It may also have roles in limb-pattern formation, craniofacial development, particularly odontogenesis, and tumor growth inhibition. Tissue specificity: Expressed in the developing nail bed mesenchyme.

Immunogen

Purified recombinant fragment of human MSX1 expressed in E. Coli.

Formulation

Ascitic fluid containing 0.03% sodium azide.

MSX1 Antibody - Additional Information

Gene ID 4487

Other Names

Homeobox protein MSX-1, Homeobox protein Hox-7, Msh homeobox 1-like protein, MSX1, HOX7

Dilution

E~~1/10000 WB~~1/500 - 1/2000

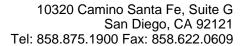
Storage

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

MSX1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

MSX1 Antibody - Protein Information





Name MSX1

Synonyms HOX7

Function

Acts as a transcriptional repressor. May play a role in limb- pattern formation. Acts in cranofacial development and specifically in odontogenesis. Expression in the developing nail bed mesenchyme is important for nail plate thickness and integrity.

Cellular Location

Nucleus.

Tissue Location

Expressed in the developing nail bed mesenchyme.

MSX1 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety
- Cell Culture