

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

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](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)