

Anti-MSX2 Antibody

Rabbit polyclonal antibody to MSX2 Catalog # AP60964

Specification

Anti-MSX2 Antibody - Product Information

Application WB, IHC
Primary Accession P35548
Other Accession Q03358

Reactivity Human, Mouse, Rat

Host Rabbit Clonality Polyclonal Calculated MW 28897

Anti-MSX2 Antibody - Additional Information

Gene ID 4488

Other Names

HOX8; Homeobox protein MSX-2; Homeobox protein Hox-8

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MSX2. The exact sequence is proprietary.

Dilution

WB~~WB (1/500 - 1/1000), IH (1/50 - 1/100) IHC~~1:100~500

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C.Stable for 12 months from date of receipt

Anti-MSX2 Antibody - Protein Information

Name MSX2

Synonyms HOX8

Function

Acts as a transcriptional regulator in bone development. Represses the ALPL promoter activity and antagonizes the stimulatory effect of DLX5 on ALPL expression during osteoblast differentiation. Probable morphogenetic role. May play a role in limb-pattern formation. In osteoblasts, suppresses transcription driven by the osteocalcin FGF response element (OCFRE). Binds to the homeodomain-response element of the ALPL promoter.



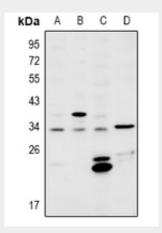
Cellular Location Nucleus.

Anti-MSX2 Antibody - Protocols

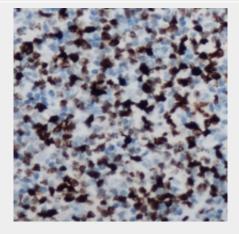
Provided below are standard protocols that you may find useful for product applications.

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

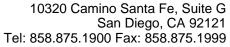
Anti-MSX2 Antibody - Images

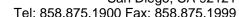


Western blot analysis of MSX2 expression in A549 (A), HEK293T (B), MEF (C), H9C2 (D) whole cell lysates.



Immunohistochemical analysis of MSX2 staining in human lymph node formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.







Anti-MSX2 Antibody - Background

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