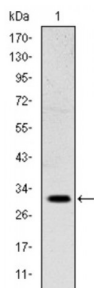


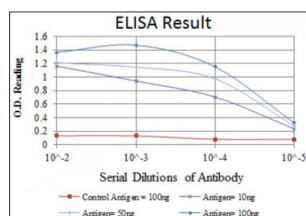
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Homeobox Protein MSX-1 (MSX1) Antibody

Catalogue No.: abx015933



Western blot analysis using MSX1 antibody against NTERA-2 cell lysate.



Red: Control Antigen (100ng) ; Purple: Antigen (10ng) ; Green: Antigen (50ng) ; Blue: Antigen (100ng).

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.

Target: MSX1

Reactivity: Human

Host: Mouse

Clonality: Monoclonal

Tested Applications: ELISA, WB

Recommended dilutions: ELISA: 1/10000, WB: 1/500 - 1/2000. Optimal dilutions/concentrations should be determined by the end user.

Immunogen: Purified recombinant fragment of human MSX1 expressed in E. coli.

Purification: Unpurified Ascites.

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Isotype:	IgG ₁
Conjugation:	Unconjugated
Storage:	Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.
Molecular Weight:	31 kDa
Swiss Prot:	P28360
GeneID:	4487
Gene Symbol:	MSX1
OMIM:	142983
HGNC:	7391
Ensembl:	ENSG00000163132
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Note:	This product is for research use only.