

Product name:	MSX1 Mouse Monoclonal Antibody
Cat number:	MABN80977
Conjugate:	Unconjugated
Size:	100μL
Clone:	Monoclonal
Concentration:	1mg/ml
Host:	Mouse
Isotype:	Mouse IgG1
Immunogen:	Purified recombinant fragment of human MSX1 expressed in E. Coli.
Reactivity:	Human
Applications:	WB 1:500-1:2000,ELISA 1:5000-1:20000
Molecular Weight:	31kDa
Purification:	Affinity Purification
Form:	Liquid
Buffer:	Purified antibody in PBS with 0.05% sodium azide.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
Background:	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.