

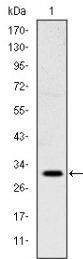
Anti-MSX1 Monoclonal Antibody (6Z647)

Product Details

Ig Type:	IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 31 kDa.
Clone:	6Z647
Purification:	Purified by protein A or protein G

Applications

Verified Activity: 1. Western blot analysis of MSX1 on NTERA-2 cell lysate using anti-MSX1 antibody at 1/1,000 dilution.



Application:	WB
Recommended	WB: 1/500-1/2000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Purified recombinant fragment of human MSX1 expressed in E. Coli.
Antigen Species:	Human
Gene ID:	4487
Uniprot ID:	P28360
Synonyms:	MSX1;STHAG1;HOX7;HYD1

Research 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,

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particularly odontogenesis, and tumor growth inhibition. Tissue specificity: Expressed in the developing nail bed mesenchyme.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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