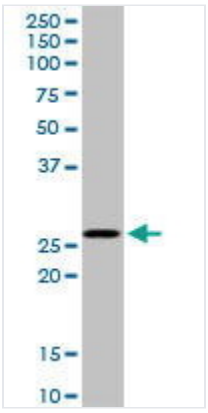
MSX1 Antibody – Rabbit Polyclonal

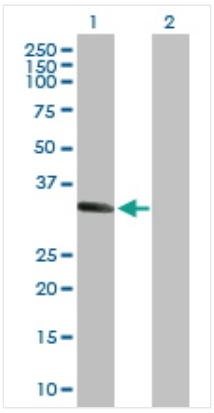
PRODUCT OVERVIEW

Product Name	MSX1, Polyclonal Antibody
Full Product Name	MSX1 (Homeobox Protein MSX-1, Homeobox Protein Hox-7, Msh Homeobox 1-like Protein, HOX7) APC
Product Gene Name	anti-MSX1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human MSX1.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Molecular Weight	31
Immunogen	Full length human MSX1, aa1-297 (AAH67353.1).
Immunogen Sequence	MTSLPLGVKVEDSAFGKPAGGGAGQAPSAAAATAAAMGADEEGAKPKVSPSLLPFSVEALMADHRKPGAKESALAPSEGVQAAGGSAQPLGVPPGSLC
Conjugate	APC
Note	Preservative Free
Product Categories/Family for anti-MSX1 antibody	Antibodies; Transcription Factors; Homeobox (HOX)
Applications Tested/Suitable for anti-MSX1 antibody	Western Blot (WB)
Application Notes for anti-MSX1 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-MSX1 antibody	HOX7 is a 297aa novel member of homeodomain family of DNA binding domain family (meta HOX) that functions as a DNA-associated transcription fa polymerase 2 transcription factor, involved in skeletal development. Northern blot analysis detects highest expression of HOX7 in heart along with othe
Other Notes	Small volumes of anti-MSX1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess

Searchable Terms for MSX1 purchase	MBS6386029 is an antibody targeting MSX1. Also known as MSX1 (Homeobox Protein MSX-1, Homeobox Protein Hox-7, Msh Homeobox 1-like Prote



Western Blot (WB) of anti-MSX1 antibody
MSX1 rabbit polyclonal antibody. Western Blot analysis of MSX1 expression in Jurkat.



Western Blot (WB) of anti-MSX1 antibody
Western Blot analysis of MSX1 expression in transfected 293T cell line by MSX1 polyclonal antibody. Lane 1: MSX1 transfected lysate (30.9kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MSX1. It may not necessarily be applicable to this product.

NCBI GI #	45595674
NCBI GeneID	4487
NCBI Accession #	AAH67353.1
UniProt Secondary Accession #	Q96NY4; A0SZU5; A8K3M1
UniProt Related Accession #	P28360
GenBank Nucleotide #	NM_002448.2
NCBI Official Full Name	MSX1 protein
NCBI Official Synonym Full Names	msh homeobox 1
NCBI Official Symbol	MSX1
NCBI Official Synonym Symbols	HOX7; HYD1; ECTD3; STHAG1
Protein Family	Homeobox protein
NCBI Protein Information	homeobox protein MSX-1
NCBI Summary for MSX1	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. Mutations in this gene, which was once known as homeobox 7, have been associated with nonsyndromic cleft lip with or without cleft palate 5, Witkop syndrome, Wolf-Hirschom syndrome, and autosomoal dominant hypodontia. [provided by RefSeq, Jul 2008]
Research Articles on MSX1	**1.** study reports 2 novel MSX1 mutations (c.739C>T; p.Pro247Ser and c.607G>A; p.Ala203Thr) in 2 Thai families; one is associated with preaxial polydactyly of the left hand, bilateral cleft lip and palate, hypodontia, microdontia and dens invaginatus; the other is associated with unilateral cleft lip and palate, microdontia and hypodontia
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