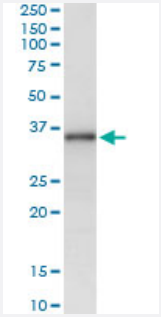
MSX1 monoclonal antibody (M05), clone 1D2

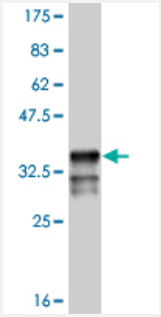
Catalog # H00004487-M05 Size 100 ug

Applications



Immunoprecipitation

Immunoprecipitation of MSX1 transfected lysate using anti-MSX1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with MSX1 MaxPab rabbit polyclonal antibody.



Western Blot detection against Immunogen (35.02 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant MSX1.
Immunogen	MSX1 (NP_002439, 216 a.a. ~ 297 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	NRRAKAKRLQEAELEKLKMAAKPMLPPAAFGLSFPLGGPAAVAAAAGASLYGASGPFQRAALPVAPVGLYTAHVGYSMYHLT
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa

Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.02 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

  Protocol Download

- Immunoprecipitation

  Immunoprecipitation of MSX1 transfected lysate using anti-MSX1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with MSX1 MaxPab rabbit polyclonal antibody.

  Protocol Download

- ELISA

Gene Info — MSX1

Entrez GeneID	4487
GeneBank Accession#	NM_002448
Protein Accession#	NP_002439
Gene Name	MSX1
Gene Alias	HOX7, HYD1
Gene Description	msh homeobox 1
Omim ID	106600 142983 189500 608874
Gene Ontology	Hyperlink

Gene Summary	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
Other Designations	OTTHUMP00000115387|homeobox 7|msh homeo box 1|msh homeobox homolog 1

Disease

- Breast Neoplasms
- Cleft Lip
- Cleft Palate
- Disease Models
- Genetic Predisposition to Disease
- Multiple System Atrophy
- Parkinson disease
- Sleep Apnea