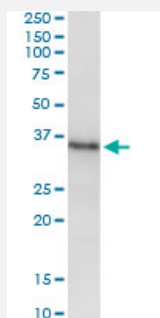


MSX1 monoclonal antibody (M04), clone 3A8

Catalog # H00004487-M04

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.

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	NRRAKAKRLQEAELEKLKMAAKPMLPPAAFGLSFPLGGPAAVAAAAGASLYGASGPFQRAALP VAPVGLYTAHVGYSMYHLT
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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.

[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-Hirschorn syndrome, and autosomal dominant hypodontia. [provided by RefSeq]

Other Designations OTTHUMP00000115387|homeobox 7|msh homeobox 1|msh homeobox homolog 1

Disease

- [Breast Neoplasms](#)

- [Cleft Lip](#)

- [Cleft Palate](#)
- [Disease Models](#)
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- [Multiple System Atrophy](#)
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