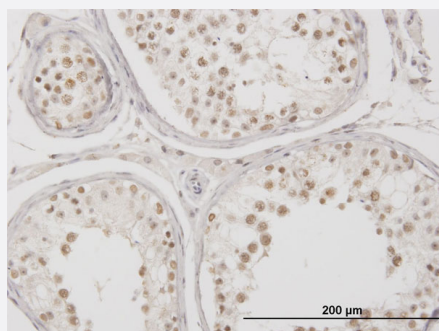


MSX2 monoclonal antibody (M04), clone 1F6

Catalog # H00004488-M04

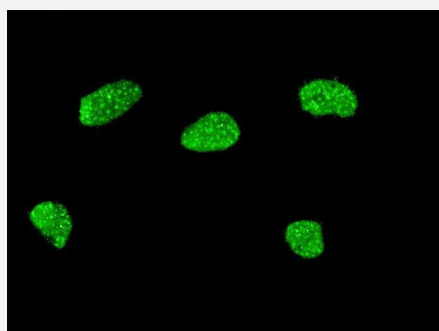
Size 100 ug

Applications



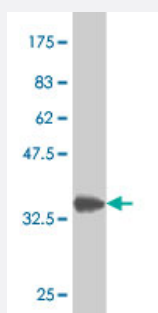
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to MSX2 on formalin-fixed paraffin-embedded human testis. [antibody concentration 1.5 ug/ml]



Immunofluorescence

Immunofluorescence of monoclonal antibody to MSX2 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (37.11 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant MSX2.

Immunogen	MSX2 (NP_002440, 101 a.a. ~ 201 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	TASVKSENSEDGAAWMQEPGRYSPPPRHMSPTTCTLRKHKTNRKPRTPTTSQLLALERKFRQKQYLSIAERAEFSSSLNLTETQVKIWFQNRRAKAKRL*
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.11 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](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to MSX2 on formalin-fixed paraffin-embedded human testis. [antibody concentration 1.5 ug/ml]

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to MSX2 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — MSX2

Entrez GeneID	4488
GeneBank Accession#	NM_002449
Protein Accession#	NP_002440

Gene Name	MSX2
Gene Alias	CRS2, FPP, HOX8, MSH, PFM, PFM1
Gene Description	msh homeobox 2
Omim ID	123101 168500 168550 604757
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the muscle segment homeobox gene family. The encoded protein is a transcriptional repressor whose normal activity may establish a balance between survival and apoptosis of neural crest-derived cells required for proper craniofacial morphogenesis. The encoded protein may also have a role in promoting cell growth under certain conditions and may be an important target for the RAS signaling pathways. Mutations in this gene are associated with parietal foramina 1 and craniosynostosis type 2. [provided by RefSeq]
Other Designations	msh homeo box 2 msh homeobox homolog 2

Publication Reference

- [Establishment of human dental epithelial cell lines expressing ameloblastin and enamelin by transfection of hTERT and cdk4 cDNAs.](#)

Hatakeyama S, Mizusawa N, Tsutsumi R, Yoshimoto K, Mizuki H, Yasumoto S, Sato S, Takeda Y.

Journal of Oral Pathology & Medicine 2011 Mar; 40(3):227.

Application: IF, Human, HAM2 cells

Disease

- [Celiac Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Genetic Predisposition to Disease](#)
- [Sleep Apnea](#)
- [Spondylitis](#)