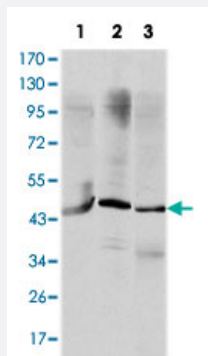


OTX2 monoclonal antibody, clone 1H12G8B2

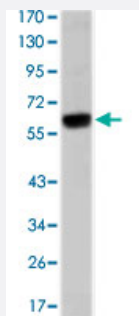
Catalog # MAB10289 Size 100 uL

Applications



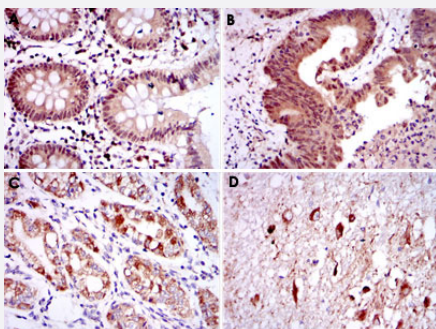
Western Blot (Cell lysate)

Western blot analysis using OTX2 monoclonal antibody, clone 1H12G8B2 (Cat # MAB10289) against HepG2 (1), Jurkat (2), and NTERA-2 (3) cell lysate.



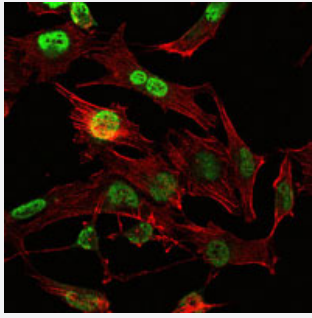
Western Blot (Recombinant protein)

Western blot analysis using OTX2 monoclonal antibody, clone 1H12G8B2 (Cat # MAB10289) against recombinant human OTX2 protein.



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

Immunohistochemical analysis of paraffin-embedded human colon tissue (A), colon cancer tissue (B), stomach tissue (C) and brain tissue (D) using OTX2 monoclonal antibody, clone 1H12G8B2 (Cat # MAB10289) with DAB staining.



Immunofluorescence

Immunofluorescence analysis of U251 cells using OTX2 monoclonal antibody, clone 1H12G8B2 (Cat # MAB10289) (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant OTX2.
Immunogen	Recombinant protein corresponding to human OTX2.
Host	Mouse
Theoretical MW (kDa)	32
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Immunofluorescence (1:200-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis using OTX2 monoclonal antibody, clone 1H12G8B2 (Cat # MAB10289) against HepG2 (1), Jurkat (2), and NTERA-2 (3) cell lysate.

- Western Blot (Recombinant protein)

Western blot analysis using OTX2 monoclonal antibody, clone 1H12G8B2 (Cat # MAB10289) against recombinant human OTX2 protein.

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

Immunohistochemical analysis of paraffin-embedded human colon tissue (A), colon cancer tissue (B), stomach tissue (C) and brain tissue (D) using OTX2 monoclonal antibody, clone 1H12G8B2 (Cat # MAB10289) with DAB staining.

- Immunofluorescence

Immunofluorescence analysis of U251 cells using OTX2 monoclonal antibody, clone 1H12G8B2 (Cat # MAB10289) (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — OTX2

Entrez GeneID [5015](#)

Gene Name OTX2

Gene Alias MCOPS5, MGC45000

Gene Description orthodenticle homeobox 2

Omim ID [600037 610125](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the bicoid sub-family of homeodomain-containing transcription factors. The encoded protein acts as a transcription factor and may play a role in brain and sensory organ development. A similar protein in mice is required for proper forebrain development. Two transcript variants encoding distinct isoforms have been identified for this gene. Other alternative splice variants may exist, but their full length sequences have not been determined. [provided by RefSeq]

Other Designations OTTHUMP00000064776|homeobox protein OTX2|orthodenticle homolog 2

Disease

- [Anophthalmos](#)
- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Coloboma](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Microphthalmos](#)
- [Parkinson disease](#)
- [Schizophrenia](#)