

## OTX2 Monoclonal Antibody

### Description

<b>Product type</b>	Antibody
<b>Code</b>	BT-MCA3863
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1
<b>Size</b>	100µL, 50µL
<b>Immunogen</b>	Purified recombinant fragment of human OTX2 expressed in E. Coli.
<b>Mol wt</b>	32kDa
<b>Species reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	WB,IHC,ICC
<b>Concentration</b>	N/A
<b>Full name</b>	N/A
<b>Synonyms</b>	MCOPS5;MGC45000

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

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. Tissue specificity: Expressed in brain.

### Recommended Dilution

WB: 1:500 - 1:2000

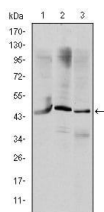
IHC-p: 1:200 - 1:1000

ICC: 1:200 - 1:1000

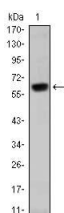
ELISA: 1:10000

Not yet tested in other applications.

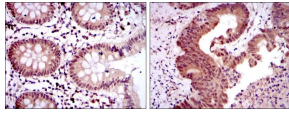
### Images



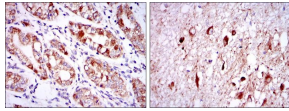
Western blot analysis using OTX2 mouse mAb against HepG2 (1), Jurkat (2), and NTERA-2 (3) cell lysate.



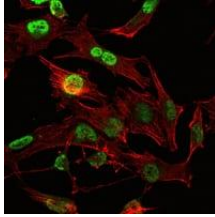
Western blot analysis using OTX2 mAb against human OTX2 (AA: 40-297) recombinant protein. (Expected MW is 65 kDa)



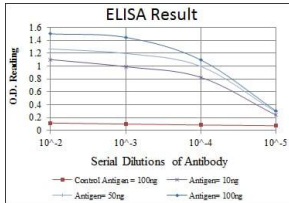
Immunohistochemical analysis of paraffin-embedded colon tissues (left) and colon cancer tissues (right) using OTX2 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded stomach tissues (left) and brain tissues (right) using OTX2 mouse mAb with DAB staining.



Immunofluorescence analysis of U251 cells using OTX2 mouse mAb (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);

## Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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