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**Product Name: OTX2 Mouse Monoclonal Antibody****Catalog #: AMM80993**

For research use only.

**Summary**

|                      |   |
|----------------------|---|
| <b>Description</b>   | Mouse monoclonal Antibody   |
| <b>Host</b>          | Mouse   |
| <b>Application</b>   | WB,IHC,ICC,ELISA  |
| <b>Reactivity</b>    | Human   |
| <b>Conjugation</b>   | Unconjugated  |
| <b>Modification</b>  | Unmodified  |
| <b>Isotype</b>       | Mouse IgG1  |
| <b>Clonality</b>     | Monoclonal  |
| <b>Form</b>          | Liquid  |
| <b>Concentration</b> | 1mg/ml  |
| <b>Storage</b>       | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| <b>Shipping</b>      | Ice bags  |
| <b>Buffer</b>        | PBS containing 0.03% sodium azide.  |
| <b>Purification</b>  | Affinity Purification   |

**Application**

|                         |  |
|-------------------------|--|
| <b>Dilution Ratio</b>   | WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000 |
| <b>Molecular Weight</b> | 32kDa  |

**Antigen Information**

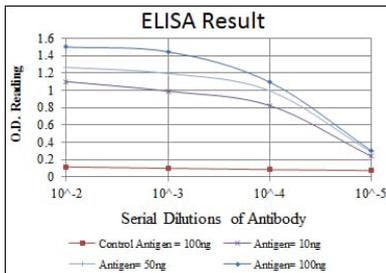
|                          |   |
|--------------------------|---|
| <b>Gene Name</b>         | OTX2  |
| <b>Alternative Names</b> | MCOPS5; MGC45000  |
| <b>Gene ID</b>           | 5015.0  |
| <b>SwissProt ID</b>      | P32243  |
| <b>Immunogen</b>         | Purified recombinant fragment of human OTX2 expressed in E. Coli. |

**Background**

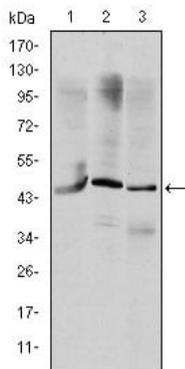
This gene encodes a member of the bicoid sub-family of homeodomain-containing transcription factors. The encoded protein acts as a transcription factor and may play a role in brain and sensory organ development. A similar protein in mice is required for proper forebrain development. Tissue specificity: Expressed in brain.

## Research Area

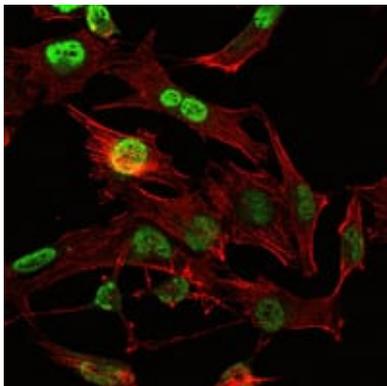
## Image Data



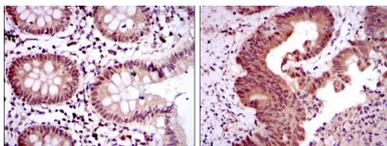
Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



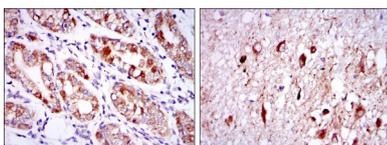
Western blot analysis using OTX2 mouse mAb against HepG2 (1), Jurkat (2), and NTERA-2 (3) cell lysate.



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



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



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