

OTX2 Antibody

Purified Mouse Monoclonal Antibody Catalog # AO1567a

Product Information

Application WB, IHC, FC, ICC, E

Primary Accession
Reactivity
Human
Host
Clonality
Monoclonal
Clone Names
Isotype
IgG1
Calculated MW
P32243
Human
Mouse
Human
Human
Mouse
Indiana
Human
Monoclonal
Indiana
Indi

Description 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.

Immunogen Purified recombinant fragment of human OTX2 expressed in E. Coli.

Formulation Ascitic fluid containing 0.03% sodium azide.

Additional Information

Gene ID 5015

Other Names Homeobox protein OTX2, Orthodenticle homolog 2, OTX2

Dilution WB~~1/500 - 1/2000 IHC~~1/200 - 1/1000 FC~~1/200 - 1/400 ICC~~N/A

E~~1/10000

Storage Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions OTX2 Antibody is for research use only and not for use in diagnostic or

therapeutic procedures.

Protein Information

Name OTX2

Function Transcription factor probably involved in the development of the brain and

the sense organs. Can bind to the bicoid/BCD target sequence (BTS):

Nucleus.

References

1. Hum Mutat. 2008 Nov;29(11):E278-83. 2. Cancer Res. 2010 Jan 1;70(1):181-91.

Images

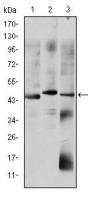


Figure 1: Western blot analysis using OTX2 mouse mAb against HepG2 (1), Jurkat (2), and NTERA-2 (3) cell lysate.

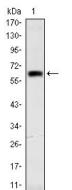


Figure 2: Western blot analysis using OTX2 mAb against human OTX2 (AA: 40-297) recombinant protein. (Expected MW is 65 kDa)

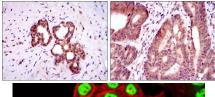


Figure 3: Immunohistochemical analysis of paraffin-embedded prostate tissues (left) and colon cancer tissues (right) using OTX2 mouse mAb with DAB staining.

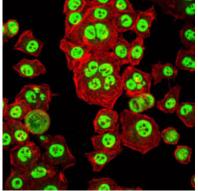
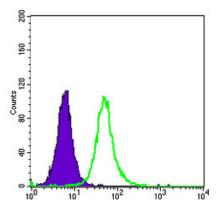


Figure 4: Immunofluorescence analysis of HepG2 cells using OTX2 mouse mAb (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

Figure 5: Flow cytometric analysis of HepG2 cells using OTX2 mouse mAb (green) and negative control (purple).



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.