

OTX2 Monoclonal Antibody

Description

Product type Primary Antibody

Code BT-MCA0963

Host Mouse

Isotype IgG

Size 50ul, 100ul

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

Mol wt N/A

Species reactivity Human

Clonality Monoclonal

Recommended application WB, IHC-p, IF, ICC, FCM, ELISA

Concentration 1 mg/ml

Full name Homeobox protein OTX2

Synonyms OTX2; Homeobox protein OTX2; Orthodenticle homolog 2

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

Background

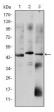
This gene encodes a member of the bicoid subfamily of homeodomain-containing transcription factors. The encoded protein acts as a transcription factor and plays a role in brain, craniofacial, and sensory organ development. The encoded protein also influences the proliferation and differentiation of dopaminergic neuronal progenitor cells during mitosis. Mutations in this gene cause syndromic microphthalmia 5 (MCOPS5) and combined pituitary hormone deficiency 6 (CPHD6). This gene is also suspected of having an oncogenic role in medulloblastoma. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Pseudogenes of this gene are known to exist on chromosomes two and nine.

Recommended Dilution

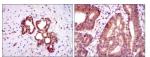
FC: 1:200 - 1:400 IF: 1:200 - 1:1000 IHC: 1:200 - 1:1000 WB: 1:500 - 1:2000

Not yet tested in other applications.

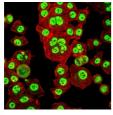
Images



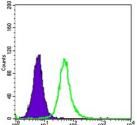
Western Blot analysis using OTX2 Monoclonal antibody against HepG2 (1) Jurkat (2) and NTERA-2 (3) cell lysate.



Immunohistochemistry analysis of paraffin-embedded prostate tissues (left) and colon cancer tissues (right) with DAB staining using OTX2 Monoclonal antibody.



 $Immun of luorescence\ analysis\ of\ HepG2\ cells\ using\ OTX2\ Monoclonal\ antibody\ (green).\ Red:\ Actin$ filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of HepG2 cells using OTX2 Monoclonal antibody (green) and negative control (purple).

Storage

-20°C for one year

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