OTX2 Rabbit pAb

Catalog NO.: A14036

Basic Information

Observed MW
Refer to figures

Calculated MW
32kDa

Category
Polyclonal Antibodies

Applications
WB, IHC-P, IF/ICC, ELISA

Cross-Reactivity
Mouse, Rat

Conjugation
Unconjugated

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 Dilutions

WB	1:500 - 1:2000
IHC-P	1:50 - 1:100
IF/ICC	1:50 - 1:100

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
5015

Swiss Prot
P32243

Immunogen
This information is considered to be commercially sensitive.

Synonyms
CPHD6; MCOPS5; OTX2

Contact

Product Information

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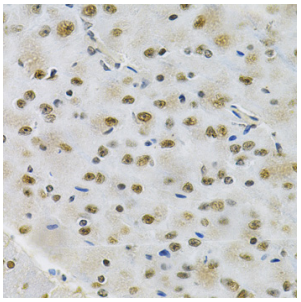
Source
Rabbit

Isotype
IgG

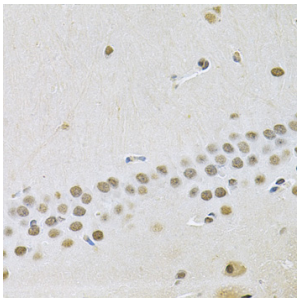
Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with sodium azide. May contain 0.05% BSA as specified on the Certificate of Analysis.

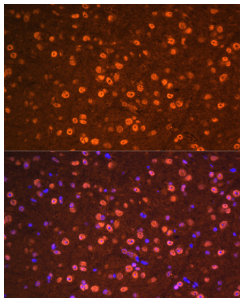
Validation Data



Immunohistochemistry analysis of paraffin-embedded Rat brain using OTX2 Rabbit pAb (A14036) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse brain using OTX2 Rabbit pAb (A14036) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunofluorescence analysis of mouse brain cells using OTX2 Rabbit pAb (A14036) at dilution of 1:100. Blue: DAPI for nuclear staining.

For research use only. Not for therapeutic or diagnostic purposes.

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