**Product Name:** **Otx2 Rabbit Monoclonal Antibody**
**Catalog #:** **AMRe86317**
For research use only.

## Summary

| | |
|---|---|
| **Description** | Recombinant rabbit monoclonal antibody |
| **Host** | Rabbit |
| **Application** | WB,IHC,IP |
| **Reactivity** | Human,Mouse,Rat |
| **Conjugation** | Unconjugated |
| **Modification** | Unmodified |
| **Isotype** | IgG |
| **Clonality** | Monoclonal |
| **Form** | Liquid |
| **Concentration** | |
| **Storage** | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| **Shipping** | Ice bags |
| **Buffer** | Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt. |
| **Purification** | Affinity Purification |

## Application

| | |
|---|---|
| **Dilution Ratio** | WB 1:1000-1:5000,IHC 1:50-1:200,IP 1:20-1:50 |
| **Molecular Weight** | Calculated MW:32 kDa; Observed MW:32, 34 kDa |

## Antigen Information

| | |
|---|---|
| **Gene Name** | Otx2 |
| **Alternative Names** | CPHD6; MCOPS5 |
| **Gene ID** | 5015 |
| **SwissProt ID** | P32243 |
| **Immunogen** | A synthetic peptide of human Otx2 |

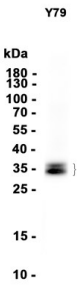
## Background

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. [provided by RefSeq, Jul 2012]

## Research Area

## Image Data




Western blot analysis of extracts from Y-79 cells using Otx2 Rabbit Monoclonal Antibody at 1:1000.