

Rabbit OTX2 Polyclonal Antibody | anti-OTX2 antibody

OTX2 Polyclonal Antibody

CATALOG # AAA281182	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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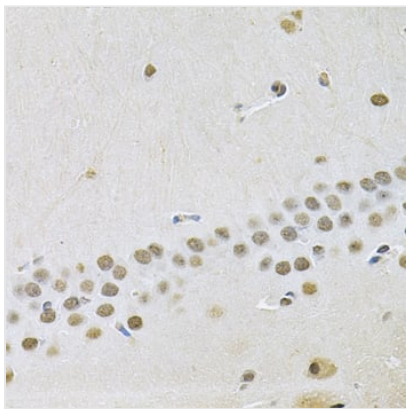
PRODUCT SYNONYMS

OTX2; Polyclonal Antibody; OTX2 Polyclonal Antibody; CPHD6; MCOPS5; anti-OTX2 antibody

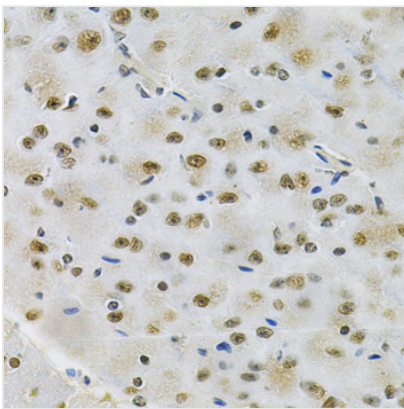
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Sequence	TPPSSTSVPT IASSAPVSI WSPASISPLS DPLSTSSSCM QRSYPMTYTQ ASGYSQGYAG STSYFGGMDC GSYLTPMHQ LPGPGATLSP MGTNAVTS HL NQSPASLSTQ GYGASSLG FN STTDCLDYKD QTASWKLNFN A
Sequence Length	289
Applicable Applications for anti-OTX2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human OTX2
Immunogen Species	Human
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Cellular Location	Nucleus
Positive Samples	A-673
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

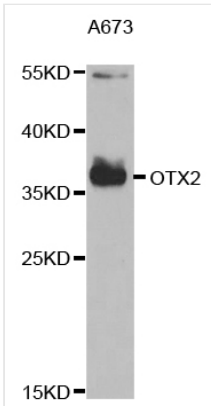
IMAGES



IHC (Immunohistochemisry)
Immunohistochemistry of paraffin-embedded mouse brain using OTX2 Antibody at dilution of 1:100 (40x lens).



IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded rat brain using OTX2 Antibody at dilution of 1:100 (40x lens).



WB (Western Blot)
Western blot analysis of extracts of A-673 cells, using OTX2 antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti-OTX2 antibody	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.
Product Categories/Family for anti-OTX2 antibody	Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	395455071
NCBI GeneID	5015
NCBI Accession #	NP_001257452.1
NCBI GenBank Nucleotide #	NM_001270523.1
UniProt Accession #	P32243 ; Q6GTV3 ; Q9HAW3 ; Q9P2R1 ; B2RAN5

Molecular Weight	Calculated: 31kDa; 32kDa Observed: 37kDa
NCBI Official Full Name	homeobox protein OTX2 isoform b
NCBI Official Synonym Full Names	orthodenticle homeobox 2
NCBI Official Symbol	OTX2
NCBI Official Synonym Symbols	CPHD6; MCOPS5
NCBI Protein Information	homeobox protein OTX2
UniProt Protein Name	Homeobox protein OTX2
UniProt Gene Name	OTX2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/otx2-antibody-immunohistochemistry-western-blot-elisa/281182>