

Rabbit OTX2 Polyclonal Antibody | anti-OTX2 antibody

OTX2 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287913	Rabbit	Human, mouse (Predicted Reactivity: Xenopus, Zebrafish)	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

OTX2; Polyclonal Antibody; OTX2 Antibody (C-term); Homeobox protein OTX2; Orthodenticle homolog 2; anti-OTX2 antibody

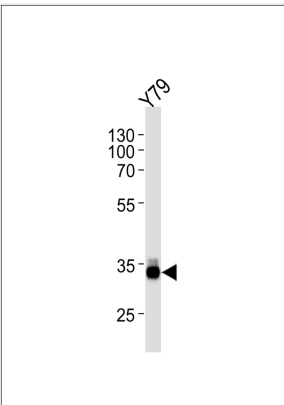
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Xenopus, Zebrafish)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This OTX2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 261-289 amino acids from the C-terminal region of human OTX2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.26 (varies by lot)
Sequence Positions	261-289
Sequence Length	297
Applicable Applications for anti-OTX2 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
OTX2 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of OTX2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
OTX2 Antibody (C-term) western blot analysis in Y79 cell line lysates (35ug/lane).This demonstrates the OTX2 antibody detected the OTX2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-OTX2 antibody	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. Two transcript variants encoding distinct isoforms have been identified for this gene. Other alternative splice variants may exist, but their full length sequences have not been determined.
Product Categories/Family for anti-OTX2 antibody	Crown Antibodies; Developmental Biology; Neuroscience; Signal Transduction
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Masuda, T., et al. J. Biol. Chem. 285(35):26933-26944(2010) Gonzalez-Rodriguez, J., et al. Br J Ophthalmol 94(8):1100-1104(2010) Chung, C.Y., et al. Brain 133 (PT 7), 2022-2031 (2010) : Ashkenazi-Hoffnung, L., et al. Hum. Genet. 127(6):721-729(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	395455071
NCBI GeneID	5015
NCBI Accession #	NP_001257452.1; NP_001257453.1; NP_001257454.1; NP_068374.1; NP_758840.1
NCBI GenBank Nucleotide #	NM_001270523.1
UniProt Accession #	P32243; Q6GTV3; Q9HAW3; Q9P2R1; B2RAN5
Molecular Weight	31636
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
UniProt Entry Name	OTX2_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/otx2-antibody-western-blot-immunohistochemistry-elisa/287913>