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OTX2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11681b

Product Information

Application	IHC-P, WB, E
Primary Accession	P32243
Other Accession	P80206, Q91981, Q6DKN2, Q91813, NP_068374.1, NP_758840.1
Reactivity	Human, Mouse
Predicted	Mouse, Zebrafish, Xenopus, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	31636
Antigen Region	261-289

Additional Information

Gene ID	5015
Other Names	Homeobox protein OTX2, Orthodenticle homolog 2, OTX2
Target/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.
Dilution	IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.
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.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	OTX2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	OTX2
Function	Transcription factor probably involved in the development of the brain and the sense organs. Can bind to the bicoid/BCD target sequence (BTS): 5'-TCTAATCCC-3'.

Cellular Location Nucleus.

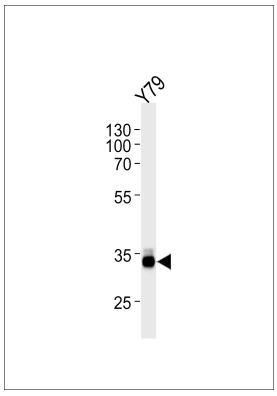
Background

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.

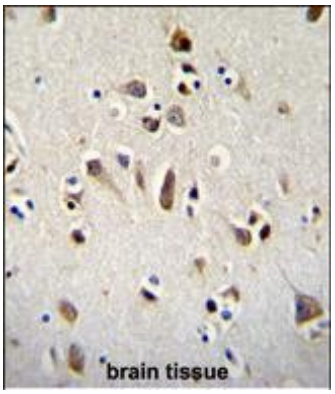
References

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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)

Images



OTX2 Antibody (C-term) (Cat. #AP11681b) western blot analysis in Y79 cell line lysates (35ug/lane).This demonstrates the OTX2 antibody detected the OTX2 protein (arrow).



OTX2 Antibody (C-term) (Cat. #AP11681b)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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.