

**OTX2 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP11681b**

**Specification**

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**OTX2 Antibody (C-term) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">P32243</a>
Other Accession	<a href="#">P80206</a> , <a href="#">Q91981</a> , <a href="#">Q6DKN2</a> , <a href="#">Q91813</a> , <a href="#">NP_068374.1</a> , <a href="#">NP_758840.1</a>
Reactivity	Human
Predicted	Xenopus, Zebrafish, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	261-289

**OTX2 Antibody (C-term) - 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**

WB~~1:1000

IHC-P~~1:50~100

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.

**OTX2 Antibody (C-term) - 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**

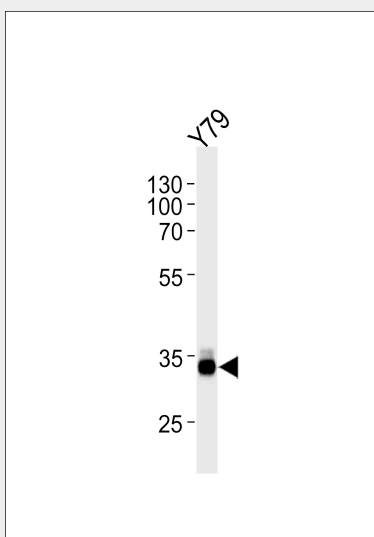
Nucleus.

**OTX2 Antibody (C-term) - Protocols**

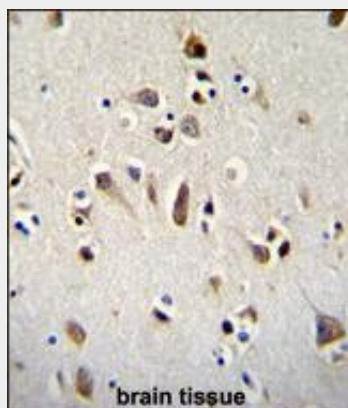
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**OTX2 Antibody (C-term) - 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.

#### **OTX2 Antibody (C-term) - 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.

#### **OTX2 Antibody (C-term) - 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)