10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

OTX2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11681b

Specification

OTX2 Antibody (C-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	P32243
Other Accession	P80206, Q91981, Q6DKN2, Q91813, NP_068374.1, NP_758840.1
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

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'.

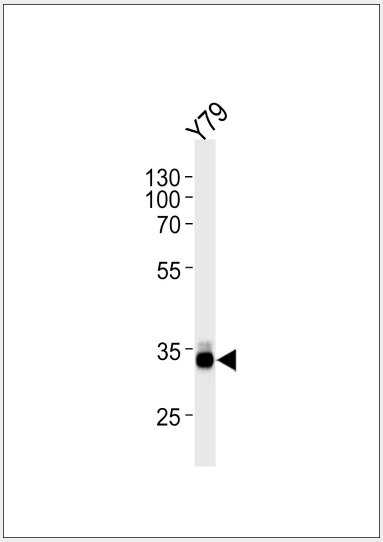
Cellular Location
Nucleus.

OTX2 Antibody (C-term) - Protocols

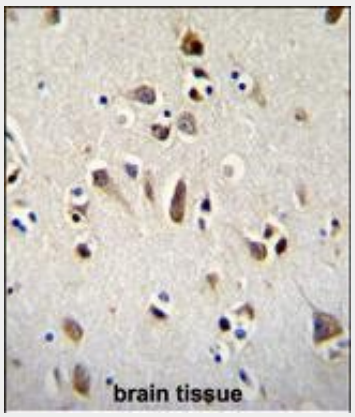
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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).



10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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)