

Datasheet for ABIN1881611
anti-OTX2 antibody (C-Term)[Go to Product page](#)

2 Images

5 Publications

Overview

Quantity:	400 µL
Target:	OTX2
Binding Specificity:	AA 261-289, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OTX2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	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.
Clone:	RB17482
Isotype:	Ig Fraction
Predicted Reactivity:	X, Zf, M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	OTX2
Alternative Name:	OTX2 (OTX2 Products)

Target Details

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.
Molecular Weight:	31636
NCBI Accession:	NP_001257452 , NP_001257453 , NP_001257454 , NP_068374 , NP_758840
UniProt:	P32243
Pathways:	Dopaminergic Neurogenesis

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Expiry Date:	6 months

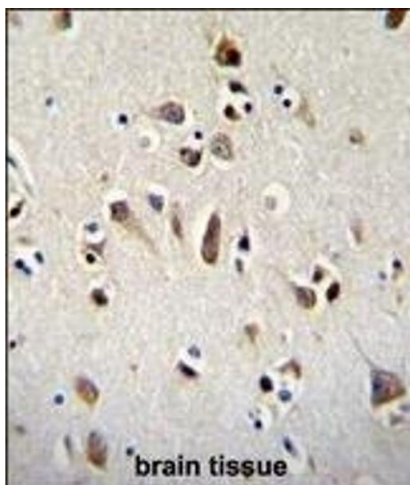
Publications

Product cited in:	Carrascal, Ovelleiro, Casas, Gay, Abian: "Phosphorylation analysis of primary human T lymphocytes using sequential IMAC and titanium oxide enrichment." in: Journal of proteome research , Vol. 7, Issue 12, pp. 5167-76, (2009) (PubMed).
	Koulich, Li, DeMartino: "Relative structural and functional roles of multiple deubiquitylating proteins associated with mammalian 26S proteasome." in: Molecular biology of the cell , Vol.

19, Issue 3, pp. 1072-82, (2008) ([PubMed](#)).

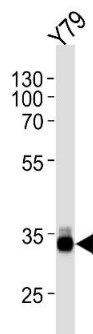
Reuter, Medhurst, Waisfisz, Zhi, Herterich, Hoehn, Gross, Joenje, Hoatlin, Mathew, Huber: "Yeast two-hybrid screens imply involvement of Fanconi anemia proteins in transcription regulation, cell signaling, oxidative metabolism, and cellular transport." in: **Experimental cell research**, Vol. 289, Issue 2, pp. 211-21, (2003) ([PubMed](#)).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. OTX2 Antibody (C-term) (ABIN1881611 and ABIN2845106) 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.



Western Blotting

Image 2. OTX2 Antibody (C-term) (ABIN1881611 and ABIN2845106) western blot analysis in Y79 cell line lysates (35 µg/lane). This demonstrates the OTX2 antibody detected the OTX2 protein (arrow).