

Datasheet for ABIN6145090  
**anti-OTX2 antibody (AA 140-280)**



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## Overview

Quantity:	100 µL
Target:	OTX2
Binding Specificity:	AA 140-280
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OTX2 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 140-280 of human OTX2 (NP_068374.1).
Sequence:	TPPSSTSVPT IASSAPVSI WSPASISPLS DPLSTSSSCM QRSYPMTYTQ ASGYSQGYAG STSYFGGMDC GSYLTPMHHQ LPGPGATLSP MGTNAVTSHL NQSPASLSTQ GYGASSLGFN STTDCLDYKD QTASWKLNFN A
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Characteristics:	Polyclonal Antibodies

## Target Details

Target:	OTX2
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## Target Details

Alternative Name:	OTX2 ( <a href="#">OTX2 Products</a> )
Background:	<p>This gene encodes a member of the bicoid subfamily of homeodomain-containing transcription factors. The encoded protein acts as a transcription factor and plays a role in brain, craniofacial, and sensory organ development. The encoded protein also influences the proliferation and differentiation of dopaminergic neuronal progenitor cells during mitosis. Mutations in this gene cause syndromic microphthalmia 5 (MCOPS5) and combined pituitary hormone deficiency 6 (CPHD6). This gene is also suspected of having an oncogenic role in medulloblastoma.</p> <p>Alternative splicing results in multiple transcript variants encoding distinct isoforms.</p> <p>Pseudogenes of this gene are known to exist on chromosomes two and nine.,OTX2,CPHD6,MCOPS5,Epigenetics &amp; Nuclear Signaling,Transcription Factors,Cell Biology &amp; Developmental Biology,Neuroscience,Stem Cells,OTX2</p>
Molecular Weight:	31 kDa/32 kDa
Gene ID:	5015
UniProt:	<a href="#">P32243</a>
Pathways:	<a href="#">Dopaminergic Neurogenesis</a>

## Application Details

Application Notes:	IHC,1:50 - 1:100,IF,1:50 - 1:100
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.