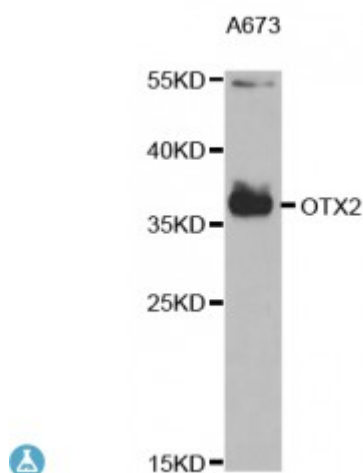


Anti-OTX2 Antibody



Description

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. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Pseudogenes of this gene are known to exist on chromosomes two and nine.

Model	STJ115971
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	IHC, WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 140-280 of human OTX2 (NP_068374.1).
Gene ID	5015
Gene Symbol	OTX2
Dilution range	WB 1:500 - 1:2000 IHC 1:50 - 1:200
Purification	Affinity purification
Note	For Research Use Only (RUO).

Protein Name	Homeobox protein OTX2 Orthodenticle homolog 2
Molecular Weight	31.636 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:8522OMIM:600037
Alternative Names	Homeobox protein OTX2 Orthodenticle homolog 2
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 Localization	Nucleus

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