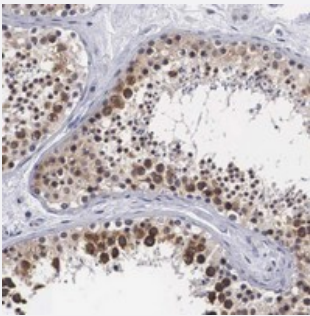


OTX2 polyclonal antibody

Catalog # PAB19983 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human testis with OTX2 polyclonal antibody (Cat # PAB19983) shows strong cytoplasmic positivity in cells of seminiferous ducts.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant OTX2.
Immunogen	Recombinant protein corresponding to amino acids of human OTX2.
Sequence	SSSAPVSWSPASISPLSDPLSTSSSCMQRSYPMTYTQASGYSQGYAGSTSYFGGMDCGSYLTP MHHQLPGPGATLSPMGTAVTSHLNQSPASLSTQGYGASSLGFNSTTDCLDYKDQTASWKLNFN ADCLDYK
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:200-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)

Storage Instruction

Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — OTX2

Entrez GeneID[5015](#)**Protein Accession#**[P32243](#)**Gene Name**

OTX2

Gene Alias

MCOPS5, MGC45000

Gene Description

orthodenticle homeobox 2

Omim ID[600037 610125](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. [provided by RefSeq]

Other Designations

OTTHUMP00000064776|homeobox protein OTX2|orthodenticle homolog 2

Disease

- [Anophthalmos](#)
- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)

- [Coloboma](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Microphthalmos](#)
- [Parkinson disease](#)
- [Schizophrenia](#)