



# Rabbit Anti-Human OTX2 monoclonal antibody, clone 25I25M6 (CABT-L1508)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	This antibody is predicted to react with Rat, Mouse, Pig and Sheep.
<b>Target</b>	OTX2
<b>Immunogen</b>	Peptides corresponding to Human OTX2 (aa 20-39, 276-289)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Clone</b>	25I25M6
<b>Purification</b>	Protein A Purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB Recommended dilution: WB: 1:500 - 1:2000
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	100 µl
<b>Buffer</b>	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
<b>Preservative</b>	0.02% sodium azide

**Storage**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

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## BACKGROUND

**Introduction**

OTX2 is a 289 amino acid containing protein encoding a member of the bicoid sub-family of homeodomain-containing transcription factors. It has two known alternative splice variants with distinct isoforms though presence of other isoforms cannot be excluded. The protein is an early marker of endodermal differentiation of embryonic stem cells and may play a role in the development of the brain and the sensory organs. The protein may bind to BCD target sequence (BTS): 5'-TCTAATCCC-3'. Defects in OTX2 are the cause of microphthalmia syndromic type 5 (MCOPS5).

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**Keywords**

OTX2;orthodenticle homeobox 2;orthodenticle homolog 2 (*Drosophila*);homeobox protein  
OTX2;orthodenticle homolog 2;CPHD6;MCOPS5;MGC45000

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## GENE INFORMATION

**Entrez Gene ID**

[5015](#)

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**UniProt ID**

[P32243](#)

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