



# VSX2 Monoclonal Antibody

<b>Catalog No</b>	YP-mAb-04974
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	VSX2 CHX10 HOX10
<b>Protein Name</b>	Visual system homeobox 2 (Ceh-10 homeodomain-containing homolog) (Homeobox protein CHX10)
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 70-150
<b>Specificity</b>	VSX2 Monoclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-1:2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	39kD
<b>Cell Pathway</b>	Nucleus .
<b>Tissue Specificity</b>	Abundantly expressed in retinal neuroblasts during eye development and in the inner nuclear layer of the adult retina. Within this layer, expression is stronger in the outer margin where bipolar cells predominate.
<b>Function</b>	disease:Defects in VSX2 are the cause of microphthalmia isolated type 2 (MCOP2) [MIM:610093]; also known as isolated clinical anophthalmia. Microphthalmia is a clinically heterogeneous disorder of eye formation, ranging from small size of a single eye to complete bilateral absence of ocular tissues. Ocular abnormalities like opacities of the cornea and lens, scarring of the retina and choroid, cataractand other abnormalities like cataract may also be present.,disease:Defects in VSX2 are the cause of microphthalmia isolated with coloboma type 3 (MCOPCB3) [MIM:610092]; also known as isolated colobomatous microphthalmia 3. Ocular colobomas are a set of malformations resulting from abnormal morphogenesis of the optic cup and stalk, and the fusion of the fetal fissure (optic fissure).,disease:Defects in VSX2 are the cause of microphthalmia with cataracts and iris abnormalities (MCOPCTI) [MIM:6
<b>Background</b>	This gene encodes a homeobox protein originally described as a retina-specific transcription factor. Mutations in this gene are associated with microphthalmia,



cataracts and iris abnormalities. [provided by RefSeq, Oct 2009],

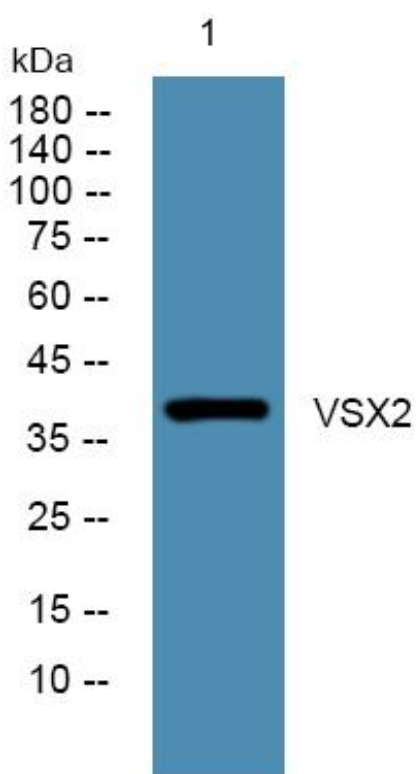
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**



Western Blot analysis of various cells using VSX2 Monoclonal Antibody