

For Research Use Only

# VSX2 Monoclonal antibody, PBS Only



Catalog Number: 67626-1-PBS

## Basic Information

<b>Catalog Number:</b> 67626-1-PBS	<b>GenBank Accession Number:</b> BC128153	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 338917	<b>CloneNo.:</b> 2C7C1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P58304	
<b>Isotype:</b> IgG2b	<b>Full Name:</b> visual system homeobox 2	
<b>Immunogen Catalog Number:</b> AG29867	<b>Calculated MW:</b> 361 aa, 39 kDa	
	<b>Observed MW:</b> 45 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
Human, mouse, rat

## Background Information

VSX2, also named as CHX10 and HOX10, belongs to the paired homeobox family. VSX2 plays a significant role in the specification and morphogenesis of the sensory retina. It may also participate in the development of the cells of the inner nuclear layer, particularly bipolar cells. Defects in VSX2 are the cause of microphthalmia isolated type 2 (MCOP2). Defects in VSX2 are the cause of microphthalmia with cataracts and iris abnormalities (MCOPCT1). Defects in VSX2 are the cause of microphthalmia isolated with coloboma type 3 (MCOPCB3). The antibody is specific to VSX2.

## Storage

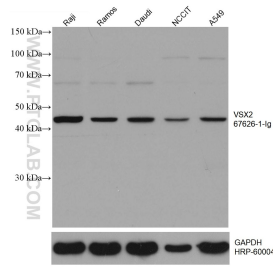
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

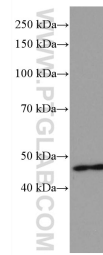
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67626-1-Ig (VSX2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 67626-1-PBS in a different storage buffer formulation.



rat eye tissue were subjected to SDS PAGE followed by western blot with 67626-1-Ig (VSX2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67626-1-PBS in a different storage buffer formulation.