

For Research Use Only

# EIF2AK2, PKR Monoclonal antibody, PBS Only



Catalog Number: 66646-1-PBS

## Basic Information

<b>Catalog Number:</b> 66646-1-PBS	<b>GenBank Accession Number:</b> BC093676	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ug, Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5610	<b>CloneNo.:</b> 2A8A4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P19525	
<b>Isotype:</b> IgG1	<b>Full Name:</b> eukaryotic translation initiation factor 2-alpha kinase 2	
<b>Immunogen Catalog Number:</b> AG13010	<b>Calculated MW:</b> 551 aa, 62 kDa	
	<b>Observed MW:</b> 65-68 kDa	

## Applications

**Tested Applications:**  
WB, IHC, Indirect ELISA

**Species Specificity:**  
human

## Background Information

The eukaryotic translation initiation factor 2-alpha kinase 2 (EIF2AK2, also known as PKR or PRKR) is an important component of the host innate immune antiviral response. The product of the HSAEIF2AK2 gene is a 68 kDa protein that is ubiquitously expressed at low levels. The N-terminal part of this protein contains two dsRNA binding motifs (dsRBM). The C-terminal EIF2S1 kinase domain includes 12 sub-domains that are conserved in several species (PMID:16954046). This antibody is specific to EIF2AK2.

## Storage

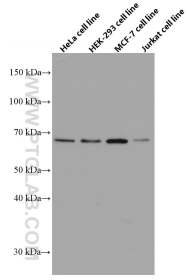
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

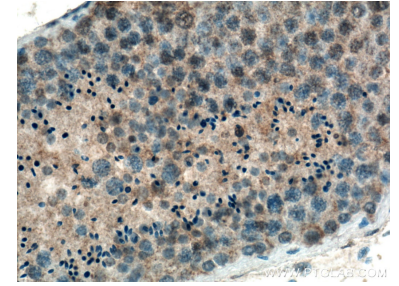
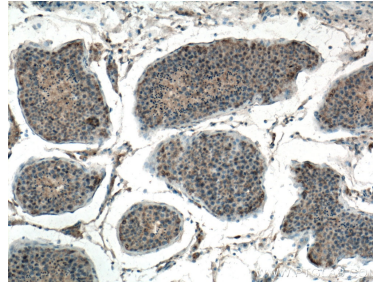
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66646-1-Ig (EIF2AK2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66646-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 66646-1-Ig (EIF2AK2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66646-1-PBS in a different storage buffer formulation.

Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 66646-1-Ig (EIF2AK2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66646-1-PBS in a different storage buffer formulation.