

For Research Use Only

# EIF2AK2 Monoclonal antibody, PBS Only



Catalog Number: 66646-1-PBS

## Basic Information

Catalog Number:

66646-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG13010

GenBank Accession Number:

BC093676

GeneID (NCBI):

5610

UNIPROT ID:

P19525

Full Name:

eukaryotic translation initiation factor 2-alpha kinase 2

Calculated MW:

551 aa, 62 kDa

Observed MW:

65-68 kDa

Purification Method:

Protein G purification

CloneNo.:

2A8A4

## Applications

Tested Applications:

WB, Indirect ELISA, IHC

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 H5AEIF2AK2 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:

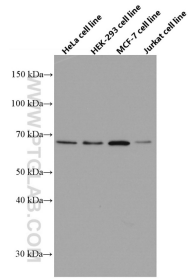
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

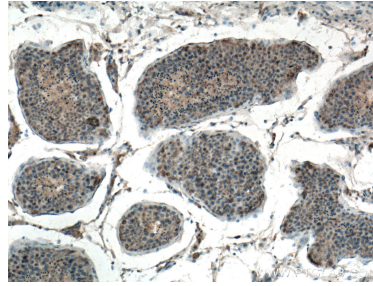
W: [ptgcn.com](http://ptgcn.com)

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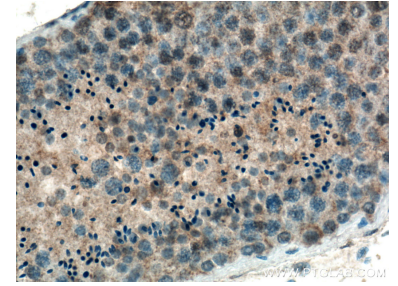
## Selected Validation Data



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.