

For Research Use Only

EIF2AK2 Monoclonal antibody

Catalog Number: 66646-1-Ig



Basic Information

Catalog Number:

66646-1-Ig

Size:

1700 µg/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

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

Human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, HEK-293 cells, MCF-7 cells, Jurkat cells

IHC : human testis tissue, human kidney tissue

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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

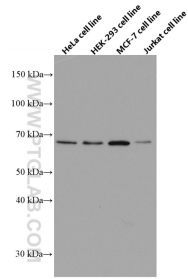
T: 4006900926

E: Proteintech-CN@ptglab.com

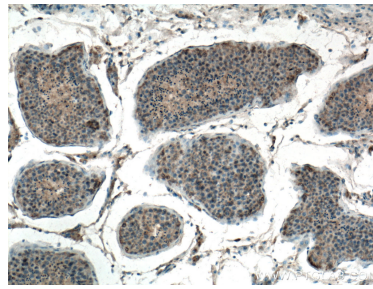
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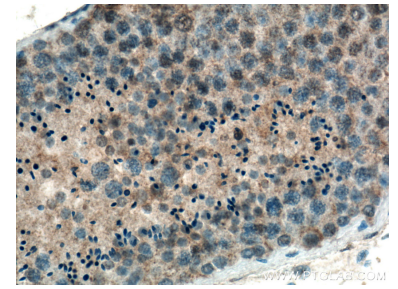
Selected Validation Data



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.



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).



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).