

For Research Use Only

EIF2AK2, PKR Monoclonal antibody

Catalog Number: 66646-1-Ig **1 Publications**



Basic Information

Catalog Number: 66646-1-Ig	GenBank Accession Number: BC093676	Purification Method: Protein G purification
Size: 150ul , Concentration: 1700 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5610	CloneNo.: 2A8A4
Source: Mouse	UNIPROT ID: P19525	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:50-1:500
Isotype: IgG1	Full Name: eukaryotic translation initiation factor 2-alpha kinase 2	
Immunogen Catalog Number: AG13010	Calculated MW: 551 aa, 62 kDa	
	Observed MW: 65-68 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Cited Applications: WB	WB : HeLa cells, HEK-293 cells, MCF-7 cells, Jurkat cells
Species Specificity: human	IHC : human testis tissue, human kidney tissue
Cited Species: human	

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

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Tomoya Kitano	38761636	Biochem Biophys Res Commun	WB

Storage

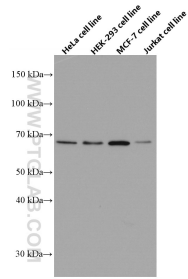
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

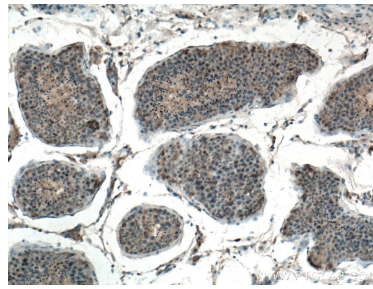
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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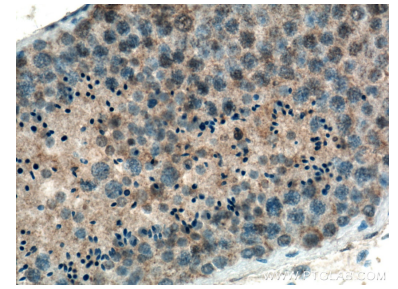
Selected Validation Data



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).