

For Research Use Only

EIF2AK2, PKR Polyclonal antibody

Catalog Number: 18244-1-AP

Featured Product

47 Publications



Basic Information

Catalog Number:

18244-1-AP

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

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:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP, RIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, pig, rabbit, goat

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: A549 cells, Jurkat cells, mouse thymus tissue, HepG2 cells, HeLa cells, rat heart tissue, K-562 cells, MCF-7 cells, SH-SY5Y cells, THP-1 cells

IP: HeLa cells,

IHC: human kidney tissue, human testis tissue

IF/ICC: HeLa cells,

Notable Publications

Author	Pubmed ID	Journal	Application
Isshu Kojima	36069552	J Virol	WB
Lei Chang	34647267	J Mol Neurosci	WB, IF
Ji Zhu	36425580	Front Pharmacol	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

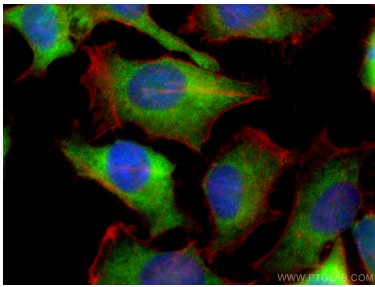
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

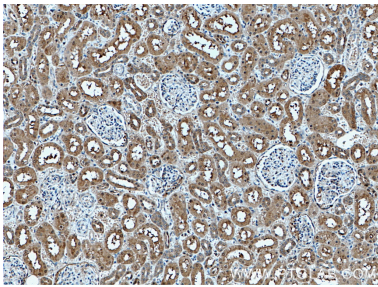
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

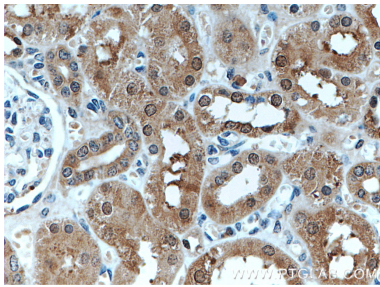
Selected Validation Data



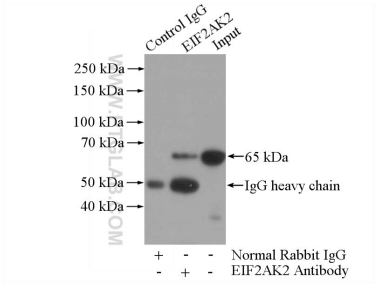
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using EIF2AK2, PKR antibody (18244-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



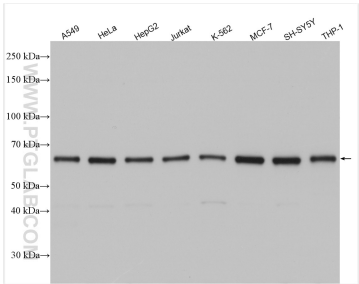
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 18244-1-AP (EIF2AK2, PKR antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



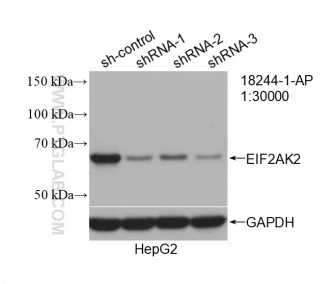
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 18244-1-AP (EIF2AK2, PKR antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-EIF2AK2, PKR (IP:18244-1-AP, 4ug; Detection:18244-1-AP 1:500) with HeLa cells lysate 1200ug.



Various lysates were subjected to SDS PAGE followed by western blot with 18244-1-AP (EIF2AK2, PKR antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours.



WB result of EIF2AK2, PKR antibody (18244-1-AP; 1:30000; incubated at room temperature for 1.5 hours) with sh-Control and sh-EIF2AK2, PKR transfected HepG2 cells.