

For Research Use Only

# EIF2AK2, PKR Polyclonal antibody

Catalog Number: 18244-1-AP

Featured Product

37 Publications



## Basic Information

**Catalog Number:**

18244-1-AP

**Size:**

150ul, Concentration: 1000 µg/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 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF 1:50-1:500

## Applications

**Tested Applications:**

WB, IP, IF, IHC, ELISA

**Cited Applications:**

WB, IP, IF, RIP, IHC

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse, rabbit, pig

**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:** 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

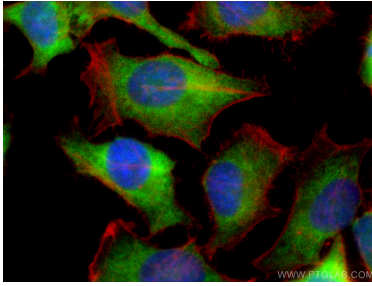
For technical support and original validation data for this product please contact:

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

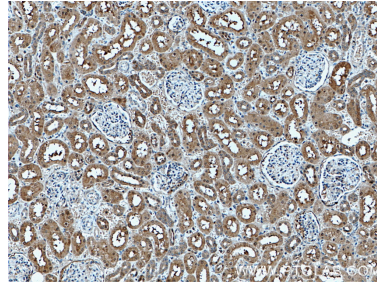
E: proteintech@ptglab.com  
W: ptglab.com

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

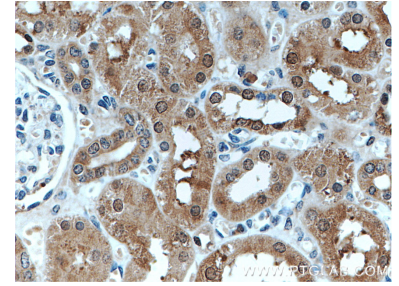
## Selected Validation Data



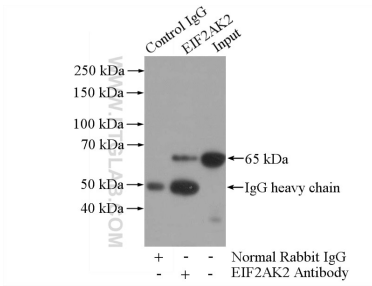
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using EIF2AK2, PKR antibody (18244-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



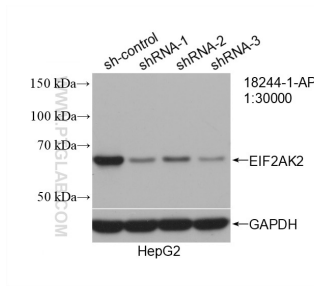
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 18244-1-AP (EIF2AK2, PKR antibody) at dilution of 1:200 (under 10x Lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



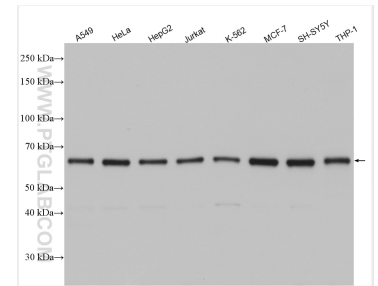
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 18244-1-AP (EIF2AK2, PKR antibody) at dilution of 1:200 (under 40x Lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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



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.



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.