

EIF2A/CDA02 Polyclonal ANTIBODY

Catalog Number: 11233-1-AP

Featured Product

28 Publications

Basic Information

Catalog Number:
11233-1-AP

Size:
51 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG1753

GenBank Accession Number:
BC011885

GeneID (NCBI):
83939

Full Name:
eukaryotic translation initiation factor 2A,
65kDa

Calculated MW:
65 kDa

Observed MW:
65 kDa

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for IP and 1:500-1:2000 for WB

IHC 1:20-1:200

IF 1:50-1:500

Applications

Tested Applications:

FC, IF, IHC, IP, WB, ELISA

Cited Applications:

IF, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

**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: HepG2 cells; MCF-7 cells, HeLa cells, Raji cells, PC-3 cells, mouse pancreas tissue

IP: MCF-7 cells;

IHC: human prostate cancer tissue; human pancreas tissue

IF: HepG2 cells; Ethacrynic acid treated HepG2 cells

Background Information

EIF2A, also named as CDA02, MSTP004 and MSTP089, belongs to the WD repeat EIF2A family. It functions in the early steps of protein synthesis of a small number of specific mRNAs. EIF2A, an alternative initiator tRNA-binding protein, has a key role in the translation of HCV mRNA during HCV infection, in turn promoting eIF2a phosphorylation by activating the eIF2a kinase PKR. This antibody is a rabbit polyclonal antibody raised against residues near the C terminus of human EIF2A, recognizes specifically the 65kd EIF2A protein.

Notable Publications

Author	Pubmed ID	Journal	Application
Yonghua Chen	30181379	Biosci Rep	WB
Maojun Liu	28990064	Mol Med Rep	WB
Wen Geng	29803741	Exp Cell Res	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

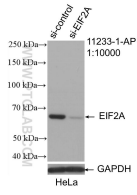
For technical support and original validation data for this product please contact:

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

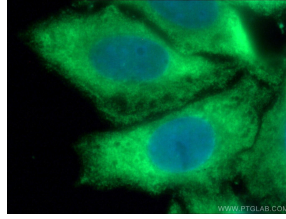
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



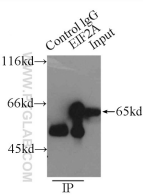
WB result of EIF2A/CDA02 antibody (11233-1-AP, 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-EIF2A/CDA02 transfected HeLa cells



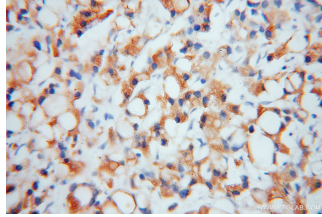
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 11233-1-AP (EIF2A antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



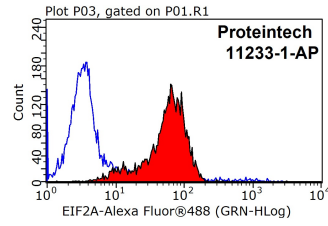
HepG2 cells were subjected to SDS PAGE followed by western blot with 11233-1-AP(EIF2A antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours



IP Result of anti-EIF2A (IP: 11233-1-AP, 3ug; Detection: 11233-1-AP 1:1000) with MCF-7 cells lysate 3250ug.



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 11233-1-AP(EIF2A antibody) at dilution of 1:50 (under 40x lens)



1X10⁶ HepG2 cells were stained with .2ug EIF2A antibody (11233-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.