

For Research Use Only

EIF2A/CDA02 Monoclonal antibody



Catalog Number: 66482-1-Ig

Featured Product

Basic Information

Catalog Number:

66482-1-Ig

GenBank Accession Number:

BC011885

Purification Method:

Protein G purification

Size:

150ul , Concentration: 1000 µg/ml by Bradford method using BSA as the standard;

GeneID (NCBI):

83939

CloneNo.:

1G7H4

Source:

Mouse

Full Name:

eukaryotic translation initiation factor 2A, 65kDa

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:150-1:600

IF 1:50-1:500

Isotype:

IgG1

Calculated MW:

65 kDa

Observed MW:

65 kDa

Immunogen Catalog Number:

AG22041

Applications

Tested Applications:

IF, 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 : Jurkat cells, HeLa cells, HEK-293 cells, ROS1728 cells

IHC : human prostate cancer tissue,

IF : 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.

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

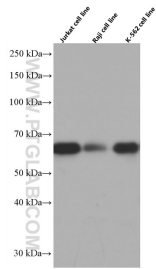
For technical support and original validation data for this product please contact:

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

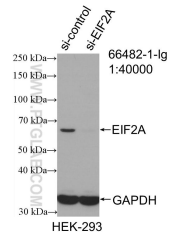
E: proteintech@ptglab.com
W: ptglab.com

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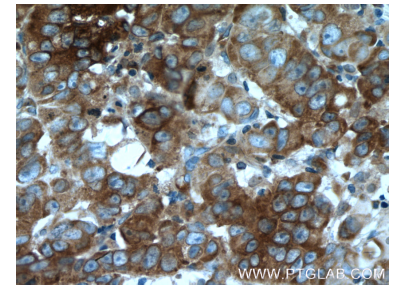
Selected Validation Data



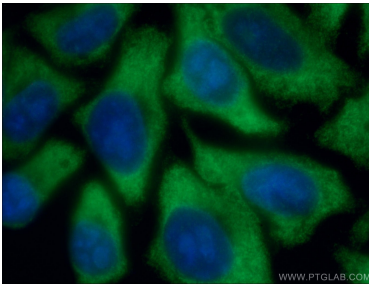
Various lysates were subjected to SDS PAGE followed by western blot with 66482-1-Ig (EIF2A antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



WB result of EIF2A/CDA02 antibody (66482-1-Ig; 1:40000; incubated at room temperature for 1.5 hours) with sh-Control and sh-EIF2A/CDA02 transfected HEK-293 cells.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 66482-1-Ig (EIF2A antibody) at dilution of 1:300 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 66482-1-Ig (EIF2A antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).