For Research Use Only

EEF1B2 Polyclonal antibody

Catalog Number:10095-2-AP Featured Product 5 Publications

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Basic Information

Catalog Number:
10095-2-AP

Size:
150ul , Concentration: 300 μg/ml by Nanodrop and 180 μg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG0135

GenBank Accession Number:
BC000211

GeneID (NCBI):
1933

Full Name:
eukaryotic translation elongation factor 1 beta 2

Calculated MW:
25 kDa

Observed MW:
30-34 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
IHC 1:20-1:200
IF 1:10-1:100

Applications

Tested Applications:
IF, IHC, IP, WB, ELISA

Cited Applications:
IF, IHC, IP, RIP, WB

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse

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 : SKOV-3 cells, HEK-293 cells, PC-3 cells, HeLa cells, RAW264.7 , Jurkat cells

IP : Jurkat cells,

IHC : human pancreas cancer tissue,

IF : MCF-7 cells,

Background Information

In eukaryotes, the translation elongation factor eEF1A responsible for transporting amino-acylated tRNA to the ribosome forms a higher-order complex, eEF1H, with its guanine-nucleotide-exchange factor eEF1B. eEF1B consists of three subunits: eEF1B alpha, eEF1B beta and eEF1B gamma. The eEF1B2 possess the nucleotide-exchange activity. Although several models on the basis of in vitro experiments have been proposed for the macromolecular organization of the eEF1H complex, these models differ in various aspects. The human eukaryote elongation factor 1 beta 2 (eEF1B2) migrated as a 30-34 kDa protein in SDS-PAGE. This antibody is a rabbit polyclonal antibody raised against residues near the N terminus of human EEF1B2.

Notable Publications

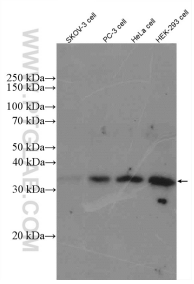
Author	Pubmed ID	Journal	Application
Ji-Hang Yuan	28553938	Nat Cell Biol	RIP
Shuhei Sammaibashi	30008712	Front Microbiol	WB
Yuan Cao	25436608	PLoS One	WB, IHC, IF

Storage

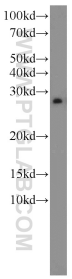
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

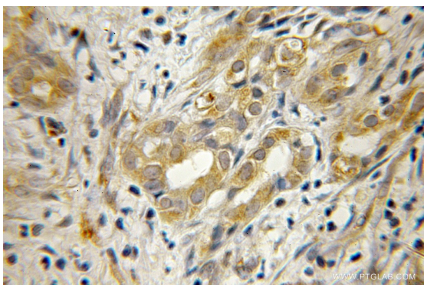
Selected Validation Data



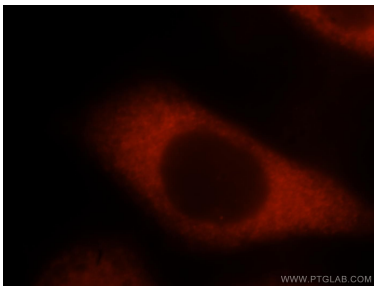
Various lysates were subjected to SDS PAGE followed by western blot with 10095-2-AP (EEF1B2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



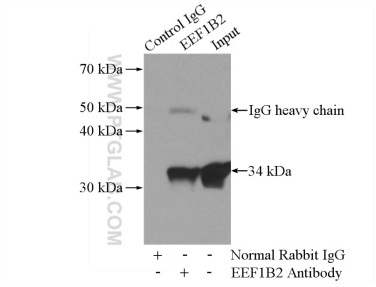
SKOV-3 cells were subjected to SDS PAGE followed by western blot with 10095-2-AP (EEF1B2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer using 10095-2-AP (EEF1B2 antibody) at dilution of 1:50 (under 10x lens).



Immunofluorescent analysis of MCF-7 cells, using 10095-2-AP and Rhodamine-labeled goat anti-rabbit IgG (red).



IP Result of anti-EEF1B2 (IP:10095-2-AP, 4ug; Detection:10095-2-AP 1:500) with Jurkat cells lysate 2400ug.