

For Research Use Only

EEF1A1/EEF1A2 Polyclonal antibody

Catalog Number: 16091-1-AP

Featured Product

22 Publications



Basic Information

Catalog Number:

16091-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6875

GenBank Accession Number:

BC000432

GeneID (NCBI):

1917

UNIPROT ID:

Q05639

Full Name:

eukaryotic translation elongation factor 1 alpha 2

Calculated MW:

50 kDa

Observed MW:

50-53 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

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

IHC 1:500-1:2000

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP, RIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, zebrafish, oyster

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: HEK-293 cells, MCF-7 cells, mouse brain tissue, mouse heart tissue, mouse skeletal muscle tissue, rat brain tissue

IP: mouse brain tissue,

IHC: human colon,

Background Information

EEF1A2, also named as EEF1A1, STN and Statin-S1, belongs to the GTP-binding elongation factor family and EF-Tu/EF-1A subfamily. It promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis. EEF1A2 may be critical in the development of ovarian cancer. The MW of EEF1A2 is 50-53kd. This antibody can recognize both EEF1A1 and EEF1A2.

Notable Publications

Author	Pubmed ID	Journal	Application
Ying Hou	34500061	Pharmacol Res	WB
Xiaohong Huang	27880033	Proteomics	WB, IF
Faith C J Davies	32160274	Hum Mol Genet	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

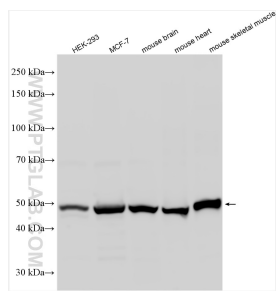
For technical support and original validation data for this product please contact:

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

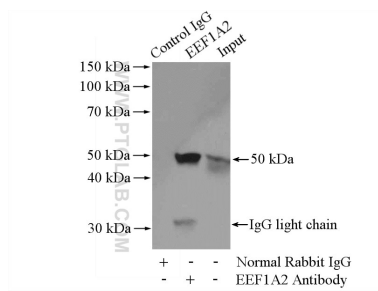
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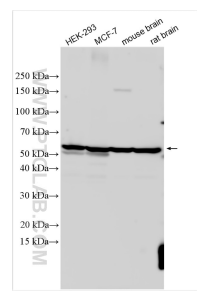
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16091-1-AP (EEF1A2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



IP result of anti-EEF1A2 (IP:16091-1-AP, 4ug; Detection:16091-1-AP 1:1000) with mouse brain tissue lysate 4000ug.



Various lysates were subjected to SDS PAGE followed by western blot with 16091-1-AP (EEF1A2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon slide using 16091-1-AP (EEF1A2 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).