For Research Use Only

EEF2 Monoclonal antibody

Catalog Number:67550-1-Ig 1 Publications

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
67550-1-Ig

Size:
150ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG13859

GenBank Accession Number:
BC126259

GeneID (NCBI):
1938

UNIPROT ID:
P13639

Full Name:
eukaryotic translation elongation factor 2

Calculated MW:
858 aa, 95 kDa

Observed MW:
100 kDa

Purification Method:
Protein G purification

CloneNo.:
1E4D5

Recommended Dilutions:
WB: 1:5000-1:50000
IHC: 1:500-1:2000
IF/ICC: 1:400-1:1600

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Cited Applications:
WB

Species Specificity:
human, mouse, rat, pig

Cited Species:
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 : HeLa cells, HSC-T6 cells, LoVo cells, NIH/3T3 cells, HEK-293 cells, HepG2 cells, Jurkat cells, 4T1 cells, MCF-7 cells, pig brain tissue

IHC : human breast cancer tissue, human colon cancer tissue

IF/ICC : HepG2 cells,

Background Information

EEF2 (Eukaryotic Elongation Factor 2), also known as EF-2 and EF2, is a crucial protein involved in the process of protein synthesis in eukaryotic cells. It plays a pivotal role in the elongation phase of translation, where it facilitates the movement of the ribosome along the mRNA strand. This movement is essential for the addition of amino acids to the growing polypeptide chain.

Notable Publications

Author	Pubmed ID	Journal	Application
Jumin Park	41912913	Leukemia	WB

Storage

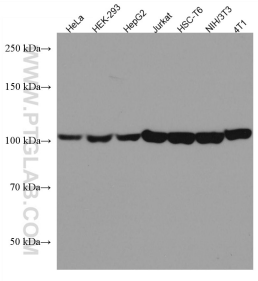
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

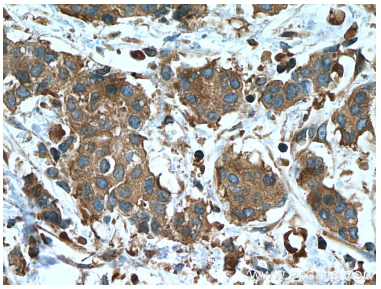
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

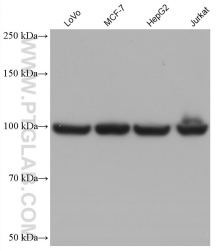
Selected Validation Data



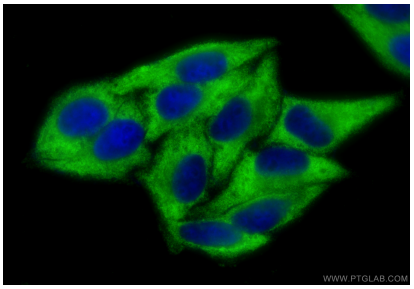
Various lysates were subjected to SDS PAGE followed by western blot with 67550-1-Ig (EEF2 antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67550-1-Ig (EEF2 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 67550-1-Ig (EEF2 antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using EEF2 antibody (67550-1-Ig, Clone: 1E4D5) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1).