

For Research Use Only

# EEF1D Monoclonal antibody

Catalog Number: 60085-2-Ig

Featured Product

1 Publications



## Basic Information

Catalog Number:

60085-2-Ig

Concentration:

1700 ug/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG0983

GenBank Accession Number:

BC007847

GeneID (NCBI):

1936

UNIPROT ID:

P29692

Full Name:

eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein)

Calculated MW:

31 kDa

Observed MW:

35-40 kDa

Purification Method:

Protein A purification

CloneNo.:

3G4C4

Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:20-1:200

## Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

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** : transfection MCF-7 cells, HeLa cells, Jurkat cells, MCF-7 cells, NIH/3T3 cells, RAW 264.7 cells

**IP** : MCF-7 cells,

**IHC** : human pancreas cancer tissue,

## Background Information

EEF1D, also named as EF1D and EF 1 delta, belongs to the EF-1-beta/EF-1-delta family. It is a subunit of the elongation factor-1 complex, which is responsible for the enzymatic delivery of aminoacyl tRNAs to the ribosome. EF-1-beta and EF-1-delta stimulate the exchange of GDP bound to EF-1-alpha to GTP. EEF1D is phosphorylated upon DNA damage, probably by ATM or ATR. The calculated molecular weight of EEF1D is a 31 kDa, but the modified protein is about 35-40 kDa. ( PMID: 21936567 )

## Notable Publications

| Author      | Pubmed ID | Journal | Application |
|-------------|-----------|---------|-------------|
| Qingxia Gao | 33087462  | J Virol | WB,IF       |

## 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

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

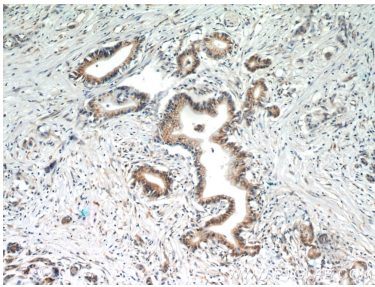
T: 4006900926

E: Proteintech-CN@ptglab.com

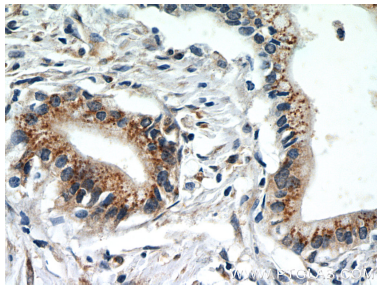
W: ptgcn.com

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

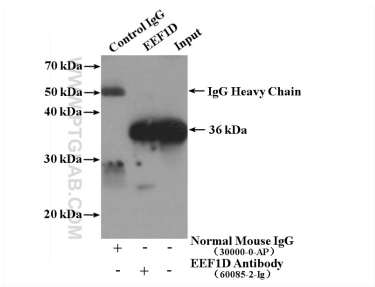
Selected Validation Data



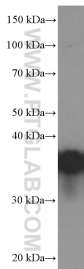
Immunohistochemical analysis of paraffin-embedded human pancreas cancer slide using 60085-2-Ig (EEF1D Antibody) at dilution of 1:50.



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IP result of anti-EEF1D (IP:60085-2-Ig, 5ug; Detection:60085-2-Ig 1:1000) with MCF-7 cells lysate 3200ug.



MCF-7 cells were subjected to SDS PAGE followed by western blot with 60085-2-Ig (EEF1D Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.