

For Research Use Only

# EEF1D Polyclonal antibody

Catalog Number: 10630-1-AP

Featured Product

6 Publications



## Basic Information

**Catalog Number:**

10630-1-AP

**Size:**

500 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**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:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:5000-1:50000

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

IHC 1:50-1:500

## Applications

**Tested Applications:**

IHC, IP, WB, ELISA

**Cited Applications:**

WB, ColP

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse, rat

**Positive Controls:**

**WB:** HeLa cells, MCF-7 cells, U-87 MG cells, U2OS cells, NIH/3T3 cells

**IP:** HeLa cells,

**IHC:** human pancreas cancer tissue, human prostate cancer tissue

**Note-IHC:** suggested antigen retrieval with **TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## 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
Dong-Dong Cheng	29510727	J Exp Clin Cancer Res	WB
Taku Kaitsuka	33521052	Front Mol Biosci	WB, ColP
Yingjie Hou	34478637	Cell Chem Biol	WB

## 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:

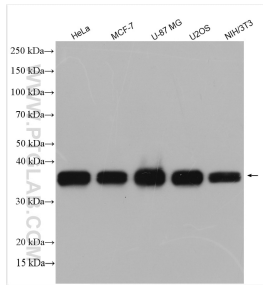
T: 4006900926

E: Proteintech-CN@ptglab.com

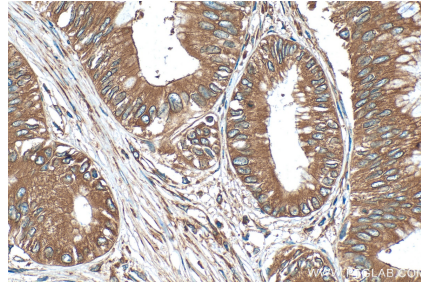
W: ptgcn.com

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

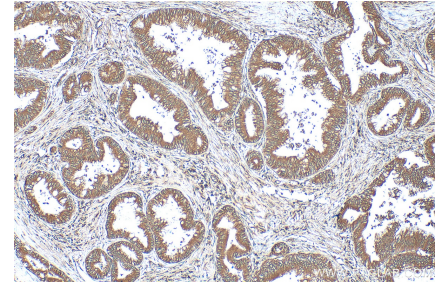
## Selected Validation Data



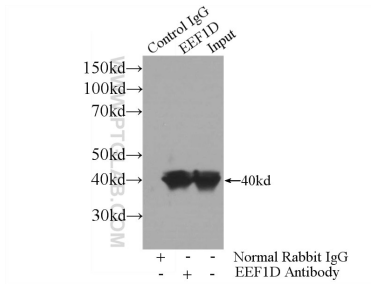
Various lysates were subjected to SDS PAGE followed by western blot with 10630-1-AP (EEF1D antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 10630-1-AP (EEF1D antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 10630-1-AP (EEF1D antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-EEF1D (IP:10630-1-AP, 3ug; Detection:10630-1-AP 1:300) with HeLa cells lysate 1200ug.