For Research Use Only

EEF1D Monoclonal antibody

Catalog Number:60085-1-Ig Featured Product 5 Publications

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Basic Information

Catalog Number:
60085-1-Ig

Size:
1000 μg/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.:
3B1B11

Recommended Dilutions:
WB 1:500-1:2000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:50-1:500
IF 1:10-1:100

Applications

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

Cited Applications:
WB, IP, IF

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

IP : MCF-7 cells,

IHC : human pancreas cancer tissue, human skin tissue

IF : MCF-7 cells, Hela cells

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
Jeremy A Whitson	28951044	Free Radic Biol Med	WB
Qingxia Gao	33087462	J Virol	WB,IF
Shuhei Sammaibashi	30008712	Front Microbiol	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.1% 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:
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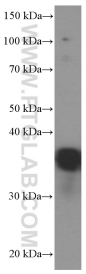
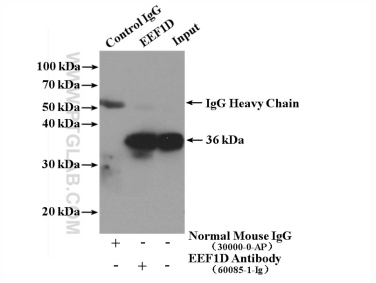
Selected Validation Data

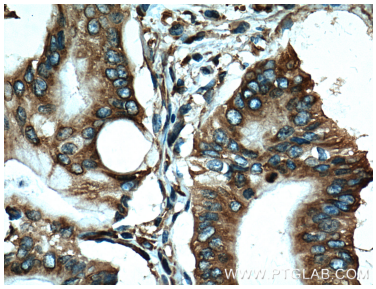
Immunofluorescent analysis of MCF-7 cells, using EEF1D antibody 60085-1-Ig at 1:25 dilution and Rhodamine-labeled goat anti-mouse IgG (red)..



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



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



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 60085-1-Ig (EEF1D Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).