

For Research Use Only

# EIF4G3 Polyclonal antibody

Catalog Number: 11281-1-AP

4 Publications



## Basic Information

### Catalog Number:

11281-1-AP

### Size:

150ul, Concentration: 800 ug/ml by Nanodrop and 473 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1811

### GenBank Accession Number:

BC030578

### GeneID (NCBI):

8672

### UNIPROT ID:

O43432

### Full Name:

eukaryotic translation initiation factor 4 gamma, 3

### Calculated MW:

177 kDa

### Observed MW:

70 kDa, 250 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:6000

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

IHC 1:10-1:100

IF/ICC 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human

### Cited Species:

human

### Positive Controls:

WB : A431 cells, HEK-293 cells, A549 cells, HeLa cells, HepG2 cells

IP : HeLa cells,

IHC : human gliomas tissue,

IF/ICC : HeLa cells,

**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

Eukaryotic translation initiation factor 4 gamma, 3 (EIF4G3) may be involved in the recognition of the mRNA cap. The protein migrated at approximately 70 kDa and/or 250 kDa in SDS-PAGE.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yan Huang	35578896	Jpn J Clin Oncol	IHC
Cong Wang	39436635	Mol Biotechnol	WB
Joonwon Kim	38691600	Sci Adv	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

\*\*\* 20ul sizes contain 0.1% BSA

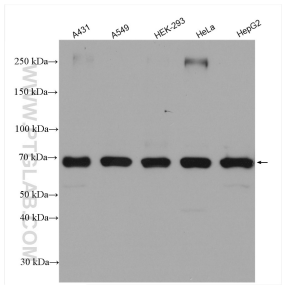
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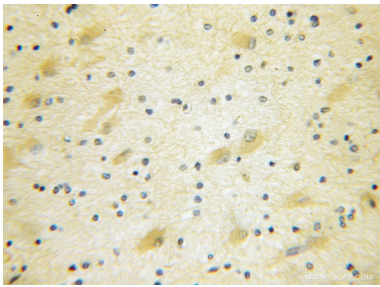
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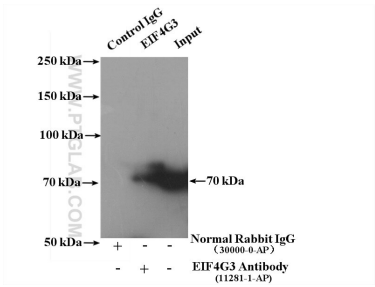
Selected Validation Data



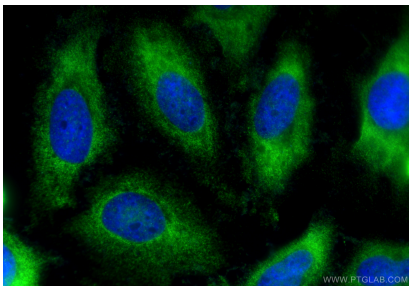
Various lysates were subjected to SDS PAGE followed by western blot with 11281-1-AP (EIF4G3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas using 11281-1-AP (EIF4G3 antibody) at dilution of 1:10 (under 10x lens).



IP result of anti-EIF4G3 (IP:11281-1-AP, 4ug; Detection:11281-1-AP 1:500) with HeLa cells lysate 4000ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using EIF4G3 antibody (11281-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).