

For Research Use Only

# EIF1 Polyclonal antibody

Catalog Number: 15276-1-AP

4 Publications



## Basic Information

### Catalog Number:

15276-1-AP

### Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG7394

### GenBank Accession Number:

BC005118

### GeneID (NCBI):

10209

### UNIPROT ID:

P41567

### Full Name:

eukaryotic translation initiation factor 1

### Calculated MW:

13 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

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, IP, IHC, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human

### Cited Species:

human, monkey

**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

IP: Jurkat cells,

IHC: human prostate cancer tissue,

## Background Information

It is necessary for scanning and involved in initiation site selection. Promotes the assembly of 48S ribosomal complexes at the authentic initiation codon of a conventional capped mRNA. Molecular weight is 13kd.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ranen Aviner	38335237	PLoS Pathog	WB
Meilin Xue	38302992	J Hematol Oncol	WB
Huan Feng	37662947	Front Immunol	IHC

## 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

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

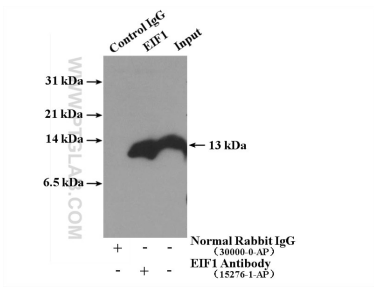
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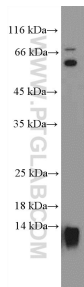
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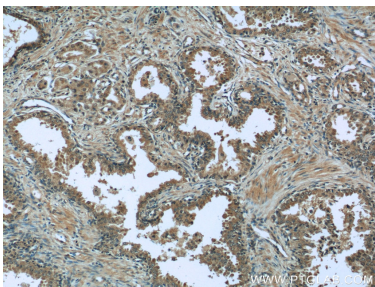
Selected Validation Data



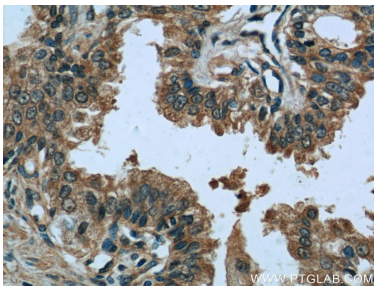
IP result of anti-EIF1 (IP:15276-1-AP, 4ug; Detection:15276-1-AP 1:600) with Jurkat cells lysate 3440 ug.



Jurkat cells were subjected to SDS PAGE followed by western blot with 15276-1-AP (EIF1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 15276-1-AP (EIF1 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 15276-1-AP (EIF1 Antibody) at dilution of 1:50 (under 40x lens).