

For Research Use Only

# EIF1AX Polyclonal antibody

Catalog Number: 11649-2-AP

2 Publications



## Basic Information

### Catalog Number:

11649-2-AP

### Size:

150ul, Concentration: 147 ug/ml by Nanodrop and 147 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG2248

### GenBank Accession Number:

BC000793

### GeneID (NCBI):

1964

### UNIPROT ID:

P47813

### Full Name:

eukaryotic translation initiation factor 1A, X-linked

### Calculated MW:

16 kDa

### Observed MW:

16 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IHC 1:20-1:200

IF/ICC 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB, IHC

### 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 : A375 cells, HeLa cells, HEK-293T cells, Jurkat cells

IHC : human gliomas tissue,

IF/ICC : HeLa cells,

## Background Information

Eukaryotic translation initiation factor 1A, X-chromosome(EIF1AX), designated as to distinguish from the Y-linked homolog, has an unblocked N-terminal proline, which was consistent with the general pattern of eukaryotic protein. It's may be required for maximal rate of protein biosynthesis. Like EIF4C, it enhances ribosome dissociation into subunits and stabilizes the binding of the initiator Met-tRNA(I) to 40S ribosomal subunits.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yuhuan Li	32926483	Cell Prolif	WB,IHC
Takayoshi Shirasaki	39565848	Sci Adv	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

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

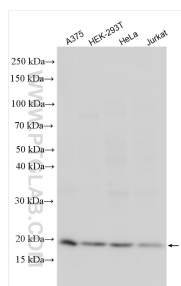
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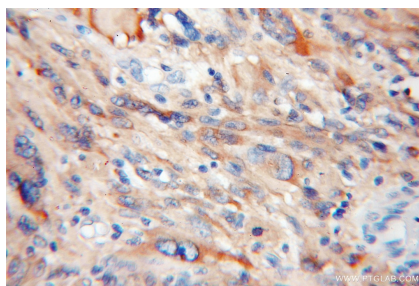
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 11649-2-AP (EIF1AX antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas using 11649-2-AP (EIF1AX antibody) at dilution of 1:50 (under 10x lens).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using EIF1AX antibody (11649-2-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).