

For Research Use Only

# EIF1AY Polyclonal antibody

Catalog Number: 11193-1-AP

Featured Product



## Basic Information

### Catalog Number:

11193-1-AP

### Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 213 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1680

### GenBank Accession Number:

BC005248

### GeneID (NCBI):

9086

### UNIPROT ID:

O14602

### Full Name:

eukaryotic translation initiation factor 1A, Y-linked

### Calculated MW:

16 kDa

### Observed MW:

16-20 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IF/ICC 1:20-1:200

## Applications

### Tested Applications:

WB, IF/ICC, ELISA

### Species Specificity:

human

### Positive Controls:

WB : MCF7 cells, MCF-7 cells, HEK-293 cells

IF/ICC : MCF-7 cells,

## Background Information

EIF1AY is 1 of 5 NRY genes that are expressed in many tissues and have homologs on the X chromosome, which is an essential translation initiation factor. EIF1AY seems to be required for maximal rate of protein biosynthesis, and enhances ribosome dissociation into subunits and stabilizes the binding of the initiator Met-tRNA(I) to 40 S ribosomal subunits. This is a rabbit polyclonal antibody raised against the full length of human EIF1AY, and can recognize both EIF1AY and EIF1AX.

## 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

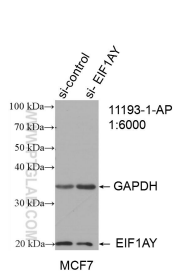
For technical support and original validation data for this product please contact:

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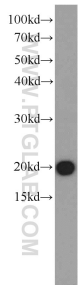
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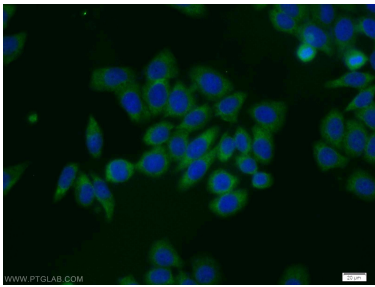
Selected Validation Data



WB result of EIF1AY antibody (11193-1-AP; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-EIF1AY transfected MCF-7 cells.



MCF7 cells were subjected to SDS PAGE followed by western blot with 11193-1-AP (EIF1AY antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of MCF-7 cells using 11193-1-AP (EIF1AY antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).