

## eIF4B (Phospho Ser422) Rabbit pAb

CatalogNo: YP0280

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse

#### Applications

- WB, IHC, IF, ELISA

#### MW

- 80kD (Observed)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

**WB 1:500-1:2000**

**IHC 1:100-1:300**

**IF 1:200-1:1000**

**ELISA 1:40000**

**Not yet tested in other applications.**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human eIF4B around the phosphorylation site of Ser422. AA range: 388-437

## Specificity

Phospho-eIF4B (S422) Polyclonal Antibody detects endogenous levels of eIF4B protein only when phosphorylated at S422. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):TGsES

## Target Information

**Gene name** EIF4B

**Protein Name** Eukaryotic translation initiation factor 4B

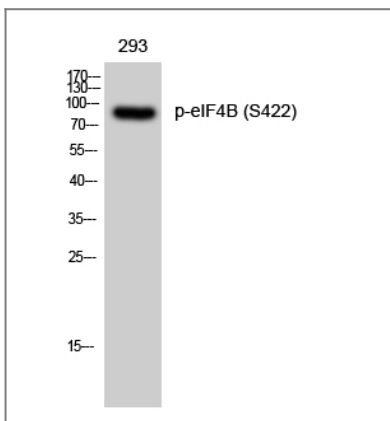
Organism	Gene ID	UniProt ID
Human	<a href="#">3716;</a>	<a href="#">P23588;</a>
Mouse	<a href="#">75705;</a>	<a href="#">Q8BGD9;</a>

**Cellular Localization** cytosol,polysome,eukaryotic translation initiation factor 4F complex,dendrite,neuronal cell body,

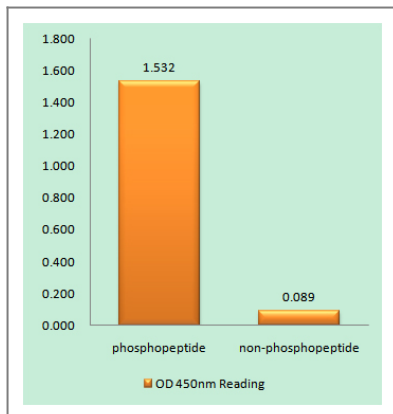
**Tissue specificity** Adipose tissue,Brain,Cervix carcinoma,Epithelium,Liver,Lung

**Function** Function:Required for the binding of mRNA to ribosomes. Functions in close association with EIF4-F and EIF4-A. Binds near the 5'-terminal cap of mRNA in presence of EIF-4F and ATP. Promotes the ATPase activity and the ATP-dependent RNA unwinding activity of both EIF4-A and EIF4-F.,similarity:Contains 1 RRM (RNA recognition motif) domain.,subunit:Self-associates and interacts with EIF3 p170 subunit.,

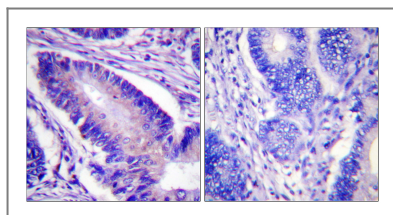
## Validation Data



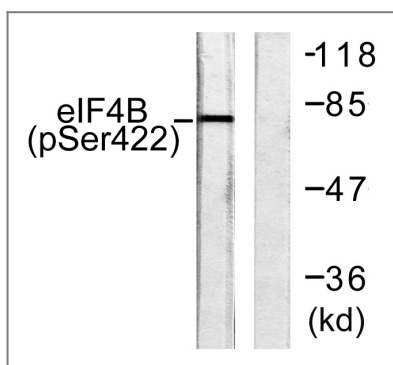
Western Blot analysis of 293 cells using Phospho-eIF4B (S422) Polyclonal Antibody diluted at 1:2000



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using eIF4B (Phospho-Ser422) Antibody



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma, using eIF4B (Phospho-Ser422) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from NIH/3T3 cells, using eIF4B (Phospho-Ser422) Antibody. The lane on the right is blocked with the phospho peptide.

## Contact information

Orders: [order@immunoway.com](mailto:order@immunoway.com)  
 Support: [tech@immunoway.com](mailto:tech@immunoway.com)  
 Telephone: 877-594-3616 (Toll Free), 408-747-0185  
 Website: <http://www.immunoway.com>  
 Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code to access additional product information:  
**eIF4B (Phospho Ser422) Rabbit pAb**

For Research Use Only. Not for Use in Diagnostic Procedures.

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