

## Rabbit EIF5B Polyclonal Antibody | anti-EIF5B antibody

EIF5B Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                 |
|-----------|--------|-------------------|--------------------------------------------------------------|
| AAA324722 | Rabbit | Human, Mouse, Rat | ELISA, Immunocytochemistry, Immunofluorescence, Western Blot |

### PRODUCT SYNONYMS

EIF5B; Polyclonal Antibody; EIF5B Antibody; DKFZp434I036; eIF 5B; eIF-5B; Eif5b; Eukaryotic translation initiation factor 5B; FLJ10524; IF2; IF2P\_HUMAN; KIAA0741; Translation initiation factor IF 2; Translation initiation factor IF-2; Translation initiation factor IF2; anti-EIF5B antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                   |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                            |
| Reactivity                                      | Human, Mouse, Rat                                                                                 |
| Clonality                                       | Polyclonal                                                                                        |
| Isotype                                         | IgG                                                                                               |
| Specificity                                     | EIF5B antibody detects endogenous levels of total EIF5B                                           |
| Purity/Purification                             | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.     |
| Form/Format                                     | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.     |
| Concentration                                   | 1mg/ml (varies by lot)                                                                            |
| Sequence Length                                 | 1220                                                                                              |
| Applicable Applications for anti-EIF5B antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                      |
| Immunogen                                       | A synthesized peptide                                                                             |
| Predicted Cross Reactivity                      | <b>Pig, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus</b>                                           |
| Similarity                                      | Pig (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%) |
| Conjugation                                     | Unconjugated                                                                                      |
| Preparation and Storage                         | Store at -20 degree C. Stable for 12 months from date of receipt.                                 |

### IMAGES



#### IF (Immunofluorescence)

AAA324722 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



#### WB (Western Blot)

Western blot analysis of extracts from HepG2 cells using EIF5B antibody.



#### WB (Western Blot)

Western blot analysis of EIF5B expression in various lysates

## ADDITIONAL INFORMATION

### Related Product Information for anti-EIF5B antibody

**Function:** Plays a role in translation initiation. Translational GTPase that catalyzes the joining of the 40S and 60S subunits to form the 80S initiation complex with the initiator methionine-tRNA in the P-site base paired to the start codon. GTP binding and hydrolysis induces conformational changes in the enzyme that renders it active for productive interactions with the ribosome. The release of the enzyme after formation of the initiation complex is a prerequisite to form elongation-competent ribosomes.

**Subunit Structure:** Interacts with ANXA5 in a calcium and phospholipid-dependent manner.

**Similarity:** Belongs to the TRAFAC class translation factor GTPase superfamily. Classic translation factor GTPase family. IF-2 subfamily.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 84043963                                       |
| NCBI GeneID                      | 9669                                           |
| NCBI Accession #                 | NP_056988.3                                    |
| NCBI GenBank Nucleotide #        | NM_015904.3                                    |
| UniProt Accession #              | O60841; O95805; Q53RV7; Q53SI8; Q9UF81; Q9UMN7 |
| Molecular Weight                 | Observed: 139 kD<br>Predicted: 139 kDa         |
| NCBI Official Full Name          | eukaryotic translation initiation factor 5B    |
| NCBI Official Synonym Full Names | eukaryotic translation initiation factor 5B    |
| NCBI Official Symbol             | EIF5B                                          |
| NCBI Official Synonym Symbols    | IF2                                            |
| NCBI Protein Information         | eukaryotic translation initiation factor 5B    |
| UniProt Protein Name             | Eukaryotic translation initiation factor 5B    |
| UniProt Gene Name                | <b>EIF5B</b>                                   |
| UniProt Synonym Gene Names       | IF2; KIAA0741; eIF-5B                          |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/eif5b-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324722>