

## Rabbit anti-Human, Rat EIF2AK1 Polyclonal Antibody | anti-EIF2AK1 antibody

EIF2AK1 Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                       |
|-----------|--------|------------|------------------------------------|
| AAA178965 | Rabbit | Human, Rat | Immunohistochemistry, Western Blot |

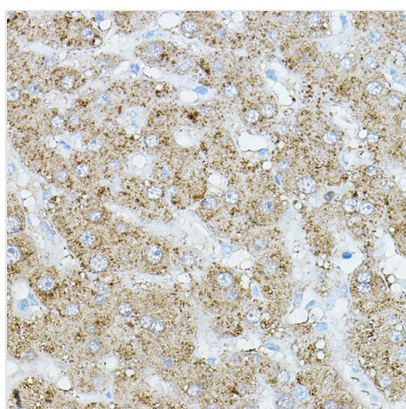
### PRODUCT SYNONYMS

EIF2AK1; Polyclonal Antibody; EIF2AK1 Polyclonal Antibody; HCR; HRI; anti-EIF2AK1 antibody

### PRODUCT SPECIFICATIONS

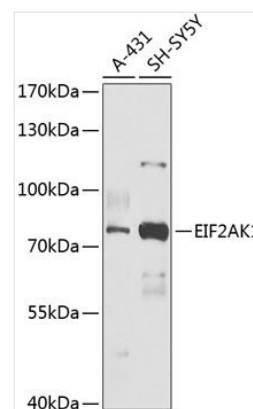
|                                                   |                                                           |
|---------------------------------------------------|-----------------------------------------------------------|
| Host                                              | Rabbit                                                    |
| Reactivity                                        | Human, Rat                                                |
| Clonality                                         | Polyclonal                                                |
| Isotype                                           | IgG                                                       |
| Purity/Purification                               | Affinity purification                                     |
| Form/Format                                       | PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.        |
| Concentration                                     | 1mg/mL (varies by lot)                                    |
| Applicable Applications for anti-EIF2AK1 antibody | IHC (Immunohistochemistry), WB (Western Blot)             |
| Immunogen                                         | Recombinant fusion protein of human EIF2AK1               |
| Research Area                                     | Epigenetics and Nuclear Signaling, Signal Transduction    |
| Preparation and Storage                           | Storage: -20 degree C/One year. Avoid freeze/thaw cycles. |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver using EIF2AK1 Polyclonal Antibody at dilution of 1:500 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines using EIF2AK1 Polyclonal Antibody at 1:1000 dilution.

ADDITIONAL INFORMATION

|                                                       |                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-EIF2AK1 antibody | The protein encoded by this gene acts at the level of translation initiation to downregulate protein synthesis in response to stress. The encoded protein is kinase that can be inactivated by hemin. Two transcript variants encoding different isoforms have been found for this gene. |
| Product Categories/Family for anti-EIF2AK1 antibody   | Antibodies; Primary Antibodies; Polyclonal Antibody                                                                                                                                                                                                                                      |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 197245437                                                                                                                                                                                                                                                       |
| NCBI GeneID                      | 27102                                                                                                                                                                                                                                                           |
| NCBI Accession #                 | NP_001127807.1                                                                                                                                                                                                                                                  |
| NCBI GenBank Nucleotide #        | NM_001134335.1                                                                                                                                                                                                                                                  |
| UniProt Accession #              | Q9BQI3; Q549K6; Q8NBW3; Q9HC02; Q9NYE0; Q9P0V6; Q9P1J5; Q9P2H8; Q9UHG4; A8K2R2                                                                                                                                                                                  |
| Molecular Weight                 | 71,106 Da                                                                                                                                                                                                                                                       |
| NCBI Official Full Name          | eukaryotic translation initiation factor 2-alpha kinase 1 isoform b                                                                                                                                                                                             |
| NCBI Official Synonym Full Names | eukaryotic translation initiation factor 2-alpha kinase 1                                                                                                                                                                                                       |
| NCBI Official Symbol             | EIF2AK1                                                                                                                                                                                                                                                         |
| NCBI Official Synonym Symbols    | HCR; HRI                                                                                                                                                                                                                                                        |
| NCBI Protein Information         | eukaryotic translation initiation factor 2-alpha kinase 1; heme-regulated inhibitor; heme-regulated repressor; heme-controlled repressor; heme sensitive initiation factor 2a kinase; heme regulated initiation factor 2 alpha kinase; heme-regulated initiatio |
| UniProt Protein Name             | Eukaryotic translation initiation factor 2-alpha kinase 1                                                                                                                                                                                                       |
| UniProt Gene Name                | EIF2AK1                                                                                                                                                                                                                                                         |
| UniProt Synonym Gene Names       | HRI; KIAA1369; HCR                                                                                                                                                                                                                                              |
| UniProt Entry Name               | E2AK1_HUMAN                                                                                                                                                                                                                                                     |

**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/eif2ak1-antibody-immunohistochemistry-western-blot-elisa/178965>