

EIF2AK1 Rabbit pAb

Catalog No.: A14119 **1 Publications**

Basic Information

Observed MW

71kDa

Calculated MW

71kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P

Cross-Reactivity

Human, Rat

Background

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 a kinase that can be inactivated by hemin. Two transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

WB	1:500 - 1:2000
IHC-P	1:100 - 1:500

Immunogen Information

Gene ID	Swiss Prot
27102	Q9BQI3

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 337-586 of human EIF2AK1 (NP_055228.2).

Synonyms

HCR; HRI; hHRI; LEMSPAD; EIF2AK1

Contact

 | www.abclonal.com

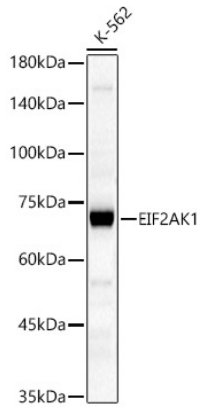
Product Information

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

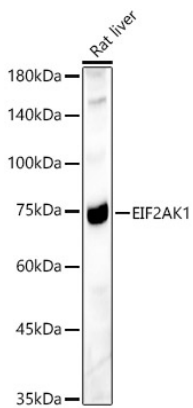
Storage

Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

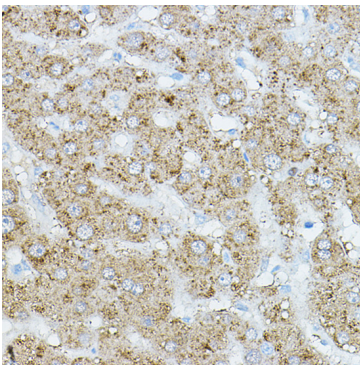
Validation Data



Western blot analysis of K-562, using EIF2AK1 Rabbit pAb (A14119) at 1:1500 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.



Western blot analysis of Rat liver, using EIF2AK1 Rabbit pAb (A14119) at 1:1500 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 30s.



Immunohistochemistry analysis of paraffin-embedded human liver using EIF2AK1 Rabbit pAb (A14119) 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.