

[KO Validated] Eif2ak2 Rabbit Polyclonal Antibody

CAB5578



Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

74kDa

Calculated MW:

57kDa/62kDa

Applications:

WB IHC IF

Reactivity:

Human, Mouse, Rat

Protein Background

The protein encoded by this gene is a serine/threonine protein kinase that is activated by autophosphorylation after binding to dsRNA. The activated form of the encoded protein can phosphorylate translation initiation factor EIF2S1, which in turn inhibits protein synthesis. This protein is also activated by manganese ions and heparin. Three transcript variants encoding two different isoforms have been found for this gene.

Immunogen information

Gene ID:

5610

Uniprot

P19525

Synonyms:

EIF2AK1; PKR; PPP1R83; PRKR; Eif2ak2; EIF2AK2

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IHC

1:100 - 1:200 IF 1:50 -

1:200

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

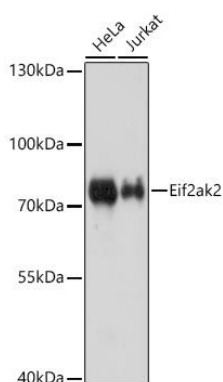
Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 1-270 of human Eif2ak2 (NP_002750.1).

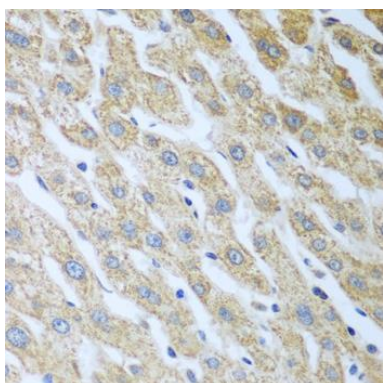
Storage:

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

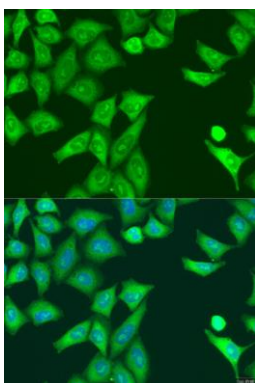
Product Images



Western blot analysis of extracts of various cell lines, using Eif2ak2 antibody (CAB5578) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 1s.



Immunohistochemistry of paraffin-embedded human liver using Eif2ak2 antibody (CAB5578) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of U2OS cells using EIF2AK2 antibody (CAB5578) at dilution of 1:100. Blue: DAPI for nuclear staining.