

## EIF2AK4

**Reactivity:**Human Rat

**Tested applications:**WB IHC IF

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:100

**Calculated MW:**187kDa

**Observed MW:**Refer to figures

**Immunogen:**

Recombinant protein of human EIF2AK4

**Storage Buffer:**

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

**Synonym:**

GCN2; PVOD2;

**Catalog #:**A7155

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**440275

**Isotype:**IgG

**Swiss Prot:**Q9P2K8

**Purity:**Affinity purification

For research use only.

**Background:**

This gene encodes a member of a family of kinases that phosphorylate the alpha subunit of eukaryotic translation initiation factor-2 (EIF2), resulting in the downregulation of protein synthesis. The encoded protein responds to amino acid deprivation by binding uncharged transfer RNAs. It may also be activated by glucose deprivation and viral infection. Mutations in this gene have been found in individuals suffering from autosomal recessive pulmonary venoocclusive-disease-2.

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