

## Phospho-EIF2AK2-T451

**Reactivity:** Human

**Tested applications:** IHC

**Recommended Dilution:** IHC 1:50 - 1:100

**Calculated MW:** 68kDa

**Observed MW:** Refer to Figures

**Immunogen:**

A phospho specific peptide corresponding to residues surrounding T451 of human EIF2AK2

**Storage Buffer:**

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

**Concentration:**

bc

**Synonym:**

PKR; PRKR; EIF2AK1;

**Catalog #:** AP0340

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 5610

**Isotype:** IgG

**Swiss Prot:** P19525

**Purity:** Affinity purification

For research use only.

**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.

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