

**Product Name: Phospho-GCN2 (Thr667) Rabbit Polyclonal Antibody**  
**Catalog #: APRab00717**

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## Summary

<b>Production Name</b>	Phospho-GCN2 (Thr667) Rabbit Polyclonal Antibody
<b>Description</b>	Primary antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IP
<b>Reactivity</b>	Human

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Phosphorylated
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal Antibody
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
<b>Purification</b>	Affinity Purified

## Immunogen

<b>Gene Name</b>	EIF2AK4
<b>Alternative Names</b>	GCN2-like protein; GCN2; KIAA1338; EIF2AK4
<b>Gene ID</b>	440275
<b>SwissProt ID</b>	Q9P2K8

## Application

<b>Dilution Ratio</b>	WB: 1/500-1/1000 IP: 1/20
<b>Molecular Weight</b>	Calculated MW: 187 kDa; Observed MW: 220 kDa

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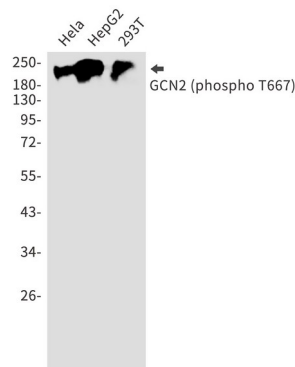
## Background

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.

## Research Area

Epigenetics and Nuclear Signaling

## Image Data



Western blot analysis of Phospho-GCN2 (Thr667) in HeLa, HepG2, 293T lysates using Phospho-GCN2 (Thr667) antibody.

## Note

For research use only.