

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

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IP
Reactivity	Human
Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,IP 1:20-1:50
Molecular Weight	Calculated MW: 187 kDa; Observed MW: 220 kDa

Antigen Information

Gene Name	EIF2AK4
Alternative Names	GCN2-like protein; GCN2; KIAA1338; EIF2AK4
Gene ID	440275
SwissProt ID	Q9P2K8
Immunogen	A synthetic Phosphorylated peptide corresponding to residues target protein

Background

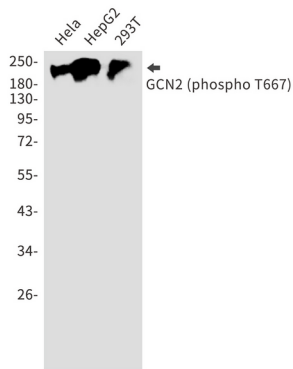
This gene encodes a member of a family of kinases that phosphorylate the alpha subunit of eukaryotic translation initiation factor-2 (EIF2), resulting in the downregulation of protein synthesis. The encoded protein responds to amino acid deprivation

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.