PHOSPHO-GCN2 (THR667) RABBIT PAB

Cat.#: N226077

Product Name: Anti-Phospho-GCN2 (Thr667) Rabbit pAb

Synonyms: GCN2-like protein; GCN2; KIAA1338; EIF2AK4

UNIPROT ID: Q9P2K8

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 downregulaton 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.

Immunogen: A synthetic phosphopeptide corresponding to residues surrounding Thr667 of human GCN2

Applications: WB,IP

Recommended Dilutions: WB: 1/500-1/1000 IP: 1/20

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Clone ID: -

MW: Calculated MW: 187 kDa; Observed MW: 220 kDa

Isotype: IgG

Purification: Affinity Purified

Species Reactivity: Human

Conjugation: Unconjugated

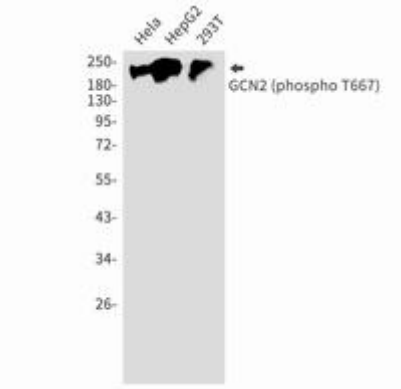
Modification: Phosphorylated

Constituents: PBS (without Mg2+ and Ca2+), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

Research Areas: Epigenetics and Nuclear Signaling

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC APPLICATIONS



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

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC APPLICATIONS