

GCN2 Rabbit mAb

Catalog No.: A2307 **Recombinant**

Basic Information

Observed MW

220kDa

Calculated MW

69kDa/183kDa/186kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC52336

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.

Recommended Dilutions

WB	1:500 - 1:2000
IHC-P	1:100 - 1:500

Immunogen Information

Gene ID

440275

Swiss Prot

Q9P2K8

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-300 of human GCN2 (NP_001013725.2).

Synonyms

GCN2; PVOD2

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

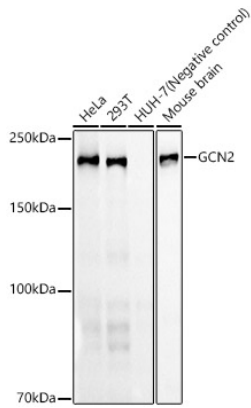
Affinity purification

Storage

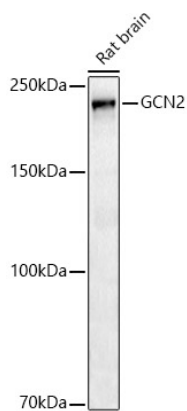
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

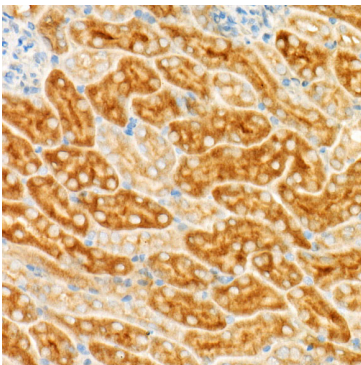
Validation Data



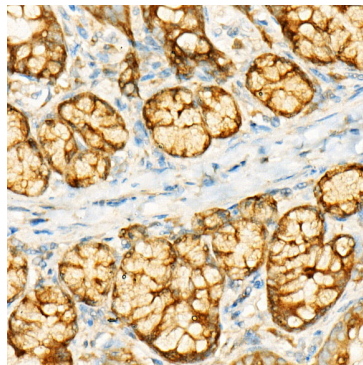
Western blot analysis of various lysates, using GCN2 Rabbit mAb (A2307) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.



Western blot analysis of lysates from Rat brain, using GCN2 Rabbit mAb (A2307) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



Immunohistochemistry analysis of paraffin-embedded mouse kidney using GCN2 Rabbit mAb (A2307) at dilution of 1:500 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded rat intestine using GCN2 Rabbit mAb (A2307) at dilution of 1:500 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.