GCN2 Rabbit mAb

Catalog No.: A2307 Recombinant 4 Publications



Basic Information

Observed MW

220kDa

Calculated MW

187kDa

Category

Primary antibody

Applications

WB,IHC-P,ELISA

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 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.

Recommended Dilutions

WB 1:1000 - 1:4000

IHC-P 1:200 - 1:2000

ELISA Recommended starting concentration is 1 μg/mL.

Please optimize the concentration based on your specific assay requirements.

Immunogen Information

 Gene ID
 Swiss Prot

 440275
 Q9P2K8

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

GCN2; PVOD2

Contact

<u>a</u>		400-999-6126
\bowtie		cn.market@abclonal.com.cn
$\overline{\triangle}$	ī	www.ahclonal.com.cn

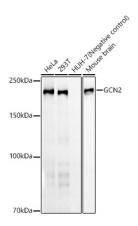
Product Information

SourceIsotypePurificationRabbitIgGAffinity purification

Storage

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

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

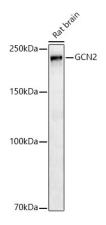


Western blot analysis of various lysates, using GCN2 Rabbit mAb (A2307) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit lgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.



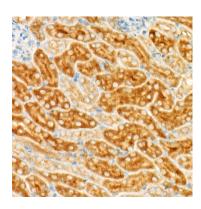
Western blot analysis of lysates from Rat brain, using GCN2 Rabbit mAb (A2307) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

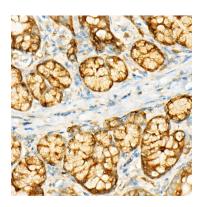
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.



Immunohistochemistry analysis of paraffinembedded Mouse kidney using GCN2 Rabbit mAb (A2307) at dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Rat intestine using GCN2 Rabbit mAb (A2307) at dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.