A21792

Leader in Biomolecular Solutions for Life Science

www.abclonal.com

GLUD1/2 Rabbit mAb

Catalog No.: A21792 Recombinant

Basic Information

Observed MW
52kDa

Calculated MW
61kDa

Category
SMab Recombinant Monoclonal Antibody

Applications
WB,IHC-P,IF/ICC,ELISA

Cross-Reactivity
Human,Mouse,Rat

CloneNo number
ARC53980

Background

The protein encoded by this gene is localized to the mitochondrion and acts as a homohexamer to recycle glutamate during neurotransmission. The encoded enzyme catalyzes the reversible oxidative deamination of glutamate to alpha-ketoglutarate. This gene is intronless.

Recommended Dilutions

WB	1:10000-1:130000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID
2746/ 2747

Swiss Prot
P00367/P49448

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 319-558 of human GLUD1/2 (NP_036216.2).

Synonyms
GLUD2; GDH2; GLUDP1; GLUD1/2

Contact

www.abclonal.com

Product Information

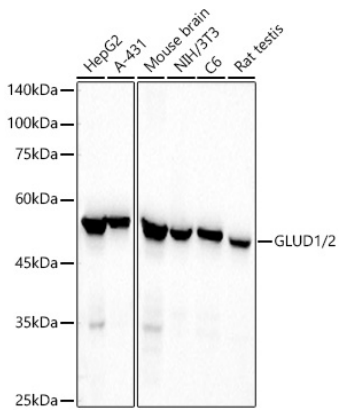
Source
Rabbit

Isotype
IgG

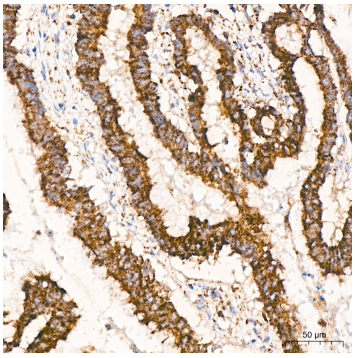
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

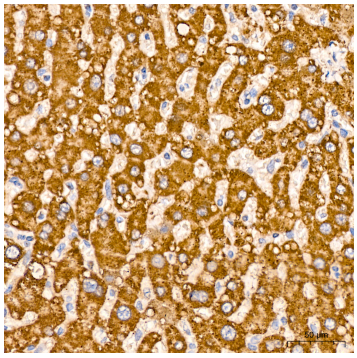
Validation Data



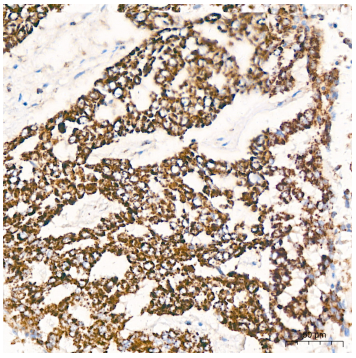
Western blot analysis of various lysates, using GLUD1/2 Rabbit mAb (A21792) at1:110000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.



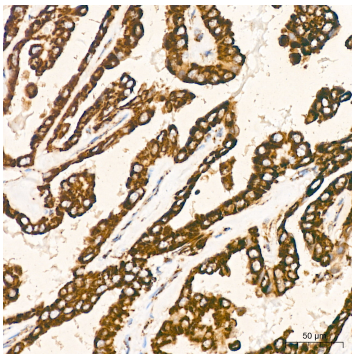
Immunohistochemistry analysis of GLUD1/2 in paraffin-embedded human colon carcinoma tissue using GLUD1/2 Rabbit mAb (A21792) at a dilution of 1:200 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



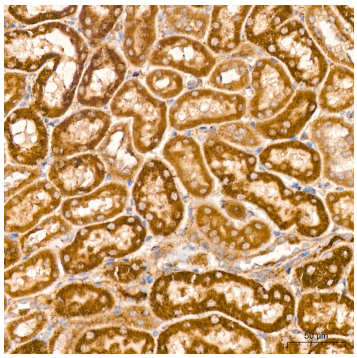
Immunohistochemistry analysis of GLUD1/2 in paraffin-embedded human liver tissue using GLUD1/2 Rabbit mAb (A21792) at a dilution of 1:200 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



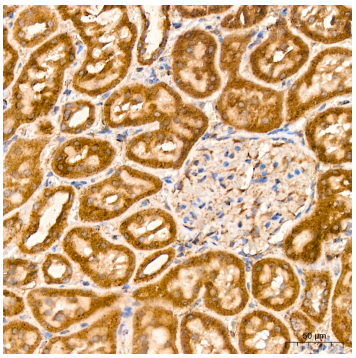
Immunohistochemistry analysis of GLUD1/2 in paraffin-embedded human lung cancer tissue using GLUD1/2 Rabbit mAb (A21792) at a dilution of 1:200 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of GLUD1/2 in paraffin-embedded human thyroid cancer tissue using GLUD1/2 Rabbit mAb (A21792) at a dilution of 1:200 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

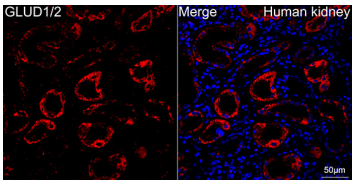


Immunohistochemistry analysis of GLUD1/2 in paraffin-embedded mouse kidney tissue using GLUD1/2 Rabbit mAb (A21792) at a dilution of 1:200 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

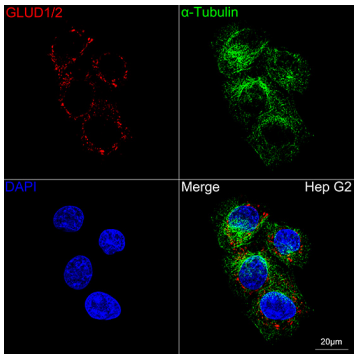


Immunohistochemistry analysis of GLUD1/2 in paraffin-embedded rat kidney tissue using GLUD1/2 Rabbit mAb (A21792) at a dilution of 1:200 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

Validation Data



Confocal imaging of paraffin-embedded Human kidney tissue using GLUD1/2 Rabbit mAb (A21792, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



Confocal imaging of Hep G2 cells using GLUD1/2 Rabbit mAb (A21792, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.