abcam

Product datasheet

Anti-GLUD1 + GLUD2 antibody [EPR11370] ab168352

Recombinant RabMAb®

★★★☆☆ **1 Abreviews**   **9 References**   9 Images

Overview

Product name	Anti-GLUD1 + GLUD2 antibody [EPR11370]
Description	Rabbit monoclonal [EPR11370] to GLUD1 + GLUD2
Host species	Rabbit
Tested applications	**Suitable for:** Flow Cyt (Intra), WB, IHC-P, ICC/IF
	Unsuitable for: IP
Species reactivity	**Reacts with:** Human
	Predicted to work with: Mouse, Rat
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Human fetal liver tissue lysate and HepG2 whole cell lysate (**ab7900**). IHC-P: Human heart and liver tissues. ICC/IF: HepG2 cells. Flow Cyt (intra): HeLa cells.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information **see here**.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2
	Preservative: 0.01% Sodium azide
	Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal

Clone number	EPR11370
Isotype	IgG

Applications

The Abpromise guarantee   Our **Abpromise guarantee** covers the use of ab168352 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		1/2000. **ab172730** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/10000. Predicted molecular weight: 61 kDa.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/50 - 1/100.

Application notes   Is unsuitable for IP.

Target

Cellular localization   GLUD1: Mitochondrion matrix. GLUD2: Mitochondrion matrix.

Images

Western blot - Anti-GLUD1 + GLUD2 antibody [EPR11370] (ab168352)
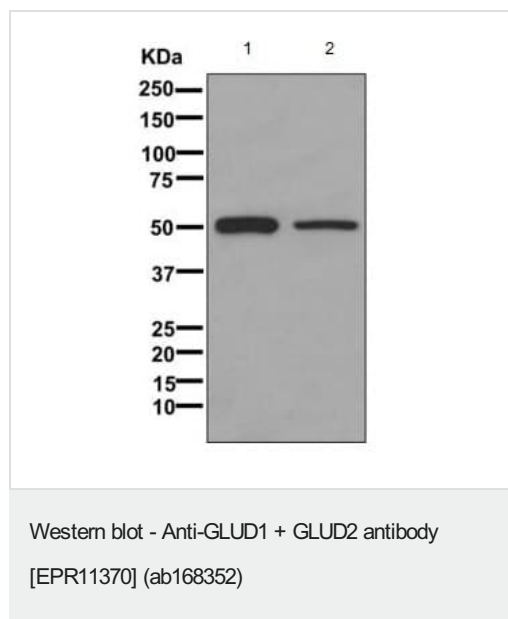
All lanes : Anti-GLUD1 + GLUD2 antibody [EPR11370] (ab168352) at 1/1000 dilution

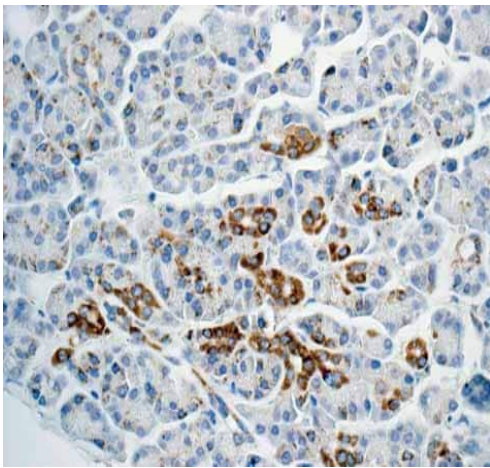**Lane 1 :** Human fetal liver lysate
Lane 2 : HepG2 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary
**All lanes :** HRP labeled goat anti-rabbit at 1/2000 dilution

Predicted band size: 61 kDa

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GLUD1 + GLUD2 antibody [EPR11370] (ab168352)

ab168352 showing +ve staining in Human normal pancreas.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
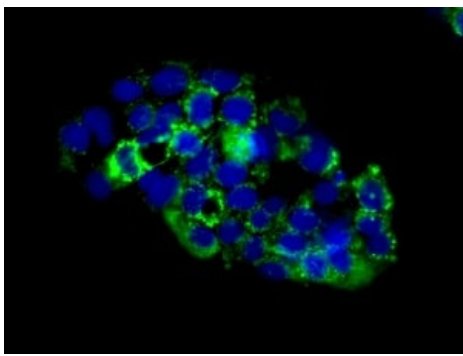

Immunocytochemistry/ Immunofluorescence - Anti-GLUD1 + GLUD2 antibody [EPR11370] (ab168352)

Immunofluorescent analysis of HepG2 cells labeling Glutamate Dehydrogenase with ab168352 at 1/50 dilution.
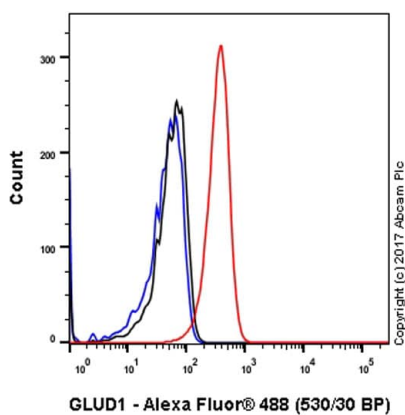
Flow Cytometry (Intracellular) - Anti-GLUD1 + GLUD2 antibody [EPR11370] (ab168352)

Intracellular Flow Cytometry analysis of HeLa (human cervix adenocarcinoma) cells labeling GLUD1 (red) with ab168352 at a 1/2000 dilution. Cells were fixed with 4% paraformaldehyde and permeabilized with 90% methanol. A goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) was used as the secondary antibody at a 1/2000 dilution. Black - Rabbit monoclonal IgG (**ab172730**). Blue (unlabeled control) - Cells without incubation with the primary and secondary antibodies.
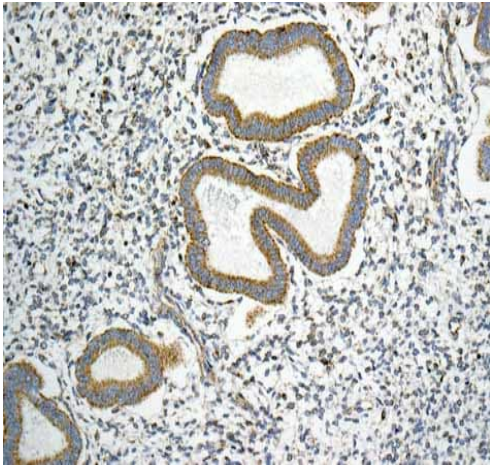
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GLUD1 + GLUD2 antibody [EPR11370] (ab168352)

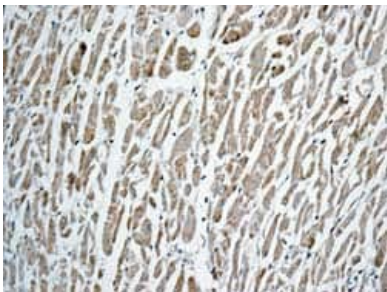ab168352 showing +ve staining in Human normal uterus.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
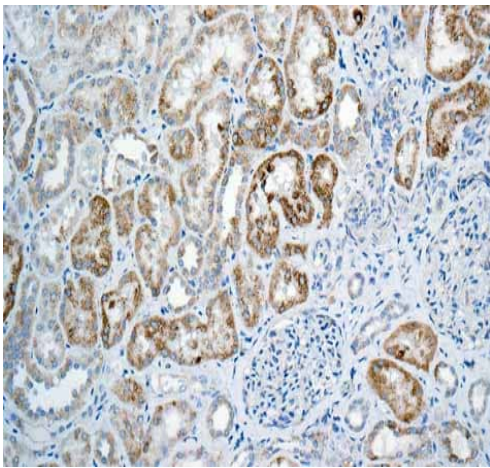
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GLUD1 + GLUD2 antibody [EPR11370] (ab168352)

ab168352 showing +ve staining in Human normal kidney.
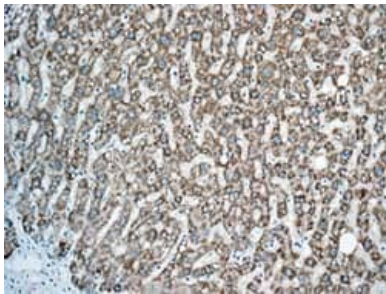
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GLUD1 + GLUD2 antibody [EPR11370] (ab168352)

Immunohistochemical analysis of paraffin-embedded Human heart tissue labeling Glutamate Dehydrogenase with ab168352 at 1/100 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemical analysis of paraffin-embedded Human liver tissue labeling Glutamate Dehydrogenase with ab168352 at 1/100 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GLUD1 + GLUD2 antibody [EPR11370] (ab168352)

Anti-GLUD1 + GLUD2 antibody [EPR11370] (ab168352)

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