Datasheet for ABIN631169

anti-GLUD1 antibody (N-Term)

3 Images

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Overview

Quantity:	100 µL
Target:	GLUD1
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GLUD1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	GLUD1 antibody was raised using the N terminal of GLUD1 corresponding to a region with amino acids EGFFDRGASIVEDKLVEDLRTRESEEQKRNRVRGILRIIKPCNHVLSLSF
Specificity:	GLUD1 antibody was raised against the N terminal of GLUD1
Purification:	Affinity purified

Target Details

Target:	GLUD1
Alternative Name:	GLUD1 (GLUD1 Products)
Background:	L-glutamate dehydrogenase (EC 1.4.1.3) has a central role in nitrogen metabolism in plants and animals. Glutamate dehydrogenase is found in all organisms and catalyzes the oxidative deamination of 1-glutamate to 2-oxoglutarate. Glutamate, the main substrate of GLUD, is

Target Details

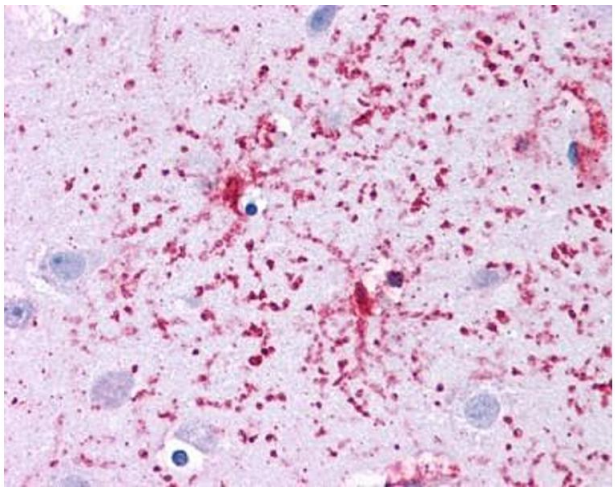
	present in brain in concentrations higher than in other organs. In nervous tissue, GLUD appears to function in both the synthesis and the catabolism of glutamate and perhaps in ammonia detoxification.
Molecular Weight:	56 kDa (MW of target protein)
Pathways:	Positive Regulation of Peptide Hormone Secretion, Warburg Effect

Application Details

Application Notes:	WB: 1 µg/mL Optimal conditions should be determined by the investigator.
Comment:	GLUD1 Blocking Peptide, catalog no. 33R-2427, is also available for use as a blocking control in assays to test for specificity of this GLUD1 antibody
Restrictions:	For Research Use only

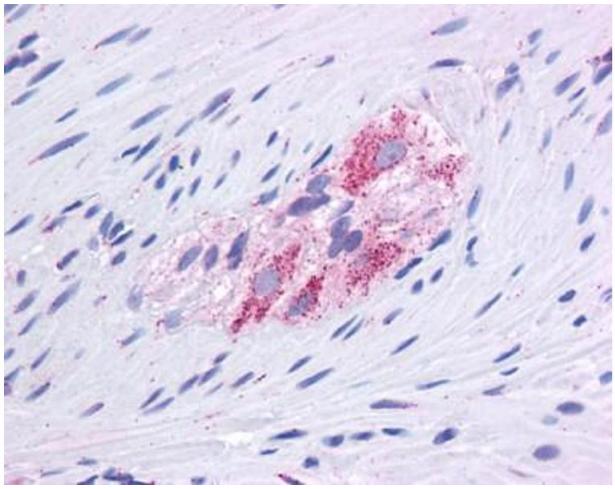
Handling

Format:	Lyophilized
Reconstitution:	Lyophilized powder. Add distilled water for a 1 mg/mL concentration of GLUD1 antibody in PBS
Concentration:	Lot specific
Buffer:	PBS
Handling Advice:	Avoid repeated freeze/thaw cycles. Dilute only prior to immediate use.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



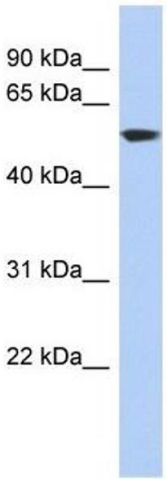
Immunohistochemistry

Image 1. GLUD1 antibody was used for immunohistochemistry at a concentration of 4-8 ug/ml. Magnification is at 400X



Immunohistochemistry

Image 2. GLUD1 antibody was used for immunohistochemistry at a concentration of 4-8 ug/ml. Magnification is at 400X



Western Blotting

Image 3. GLUD1 antibody used at 1 ug/ml to detect target protein.

