Datasheet for ABIN6141159

anti-GLUD2 antibody (AA 319-558)

7 Images

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Overview

Quantity:	100 µL
Target:	GLUD2
Binding Specificity:	AA 319-558
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GLUD2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 319-558 of human GLUD2 (NP_036216.2).
Sequence:	YLHRFGAKCI AVGESDGSIW NPDGIDPKEL EDFKLQHGSI LGFPKAKPYE GSILEVDCDI LIPAATEKQL TKSNAPRVKA KIIAEGANGP TTPEADKIFL ERNILVIPDL YLNAGGVTVS YFEWLKNLNH VSYGRLTFKY ERDSNYHLLL SVQESLERKF GKHGGTIPIV PTAEFQDSIS GASEKDIVHS ALAYTMERSA RQIMHTAMKY NLGLDLRTAA YVNAIEKVFK VYSEAGVTFT
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

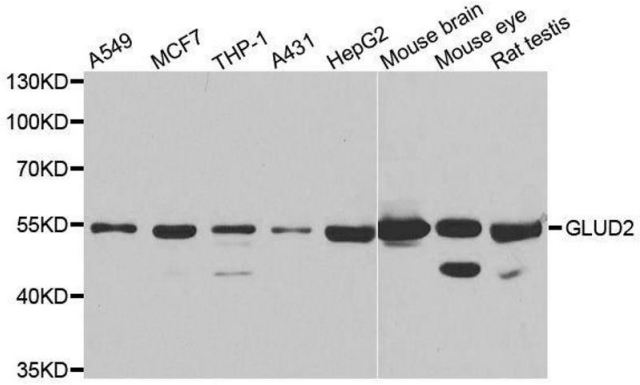
Target:	GLUD2
Alternative Name:	GLUD2 (GLUD2 Products)
Background:	The protein encoded by this gene is localized to the mitochondrion and acts as a homohexamer to recycle glutamate during neurotransmission. The encoded enzyme catalyzes the reversible oxidative deamination of glutamate to alpha-ketoglutarate. This gene is intronless.,GLUD2,GDH2,GLUDP1,Signal Transduction,Cell Biology & Developmental Biology,Endocrine & Metabolism,Mitochondrial metabolism,Mitochondrial markers,Amino acid metabolism,Neuroscience,GLUD2
Molecular Weight:	61 kDa
Gene ID:	2747
UniProt:	P49448
Pathways:	Synaptic Membrane

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:10 - 1:100
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

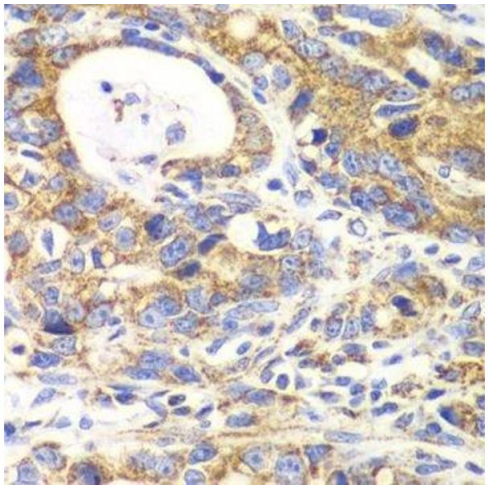
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



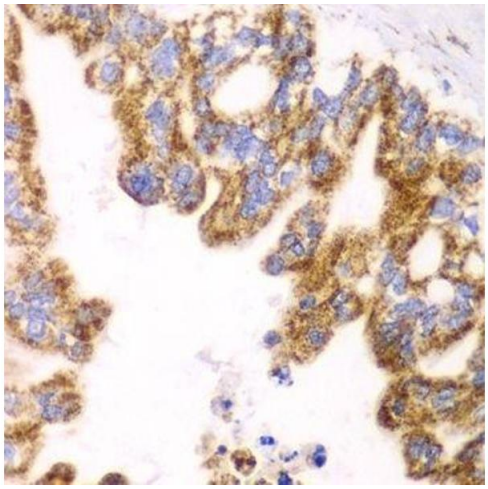
Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using GLUD2 antibody.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of paraffin-embedded human gastric cancer using GLUD2 antibody.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded human liver cancer using GLUD2 antibody.

Please check the product details page for more images. Overall 7 images are available for ABIN6141159.