Rabbit GLUD1 Polyclonal Antibody | anti-GLUD1 antibody

GLUD1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA310724	**Rabbit**	**Human, Mouse, Rat**	**Immunohistochemistry, Western Blot**

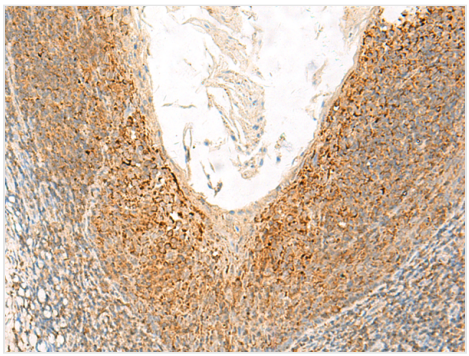
PRODUCT SYNONYMS

GLUD1; Polyclonal Antibody; GLUD1 Antibody; GDH; GDH1; GLUD; anti-GLUD1 antibody

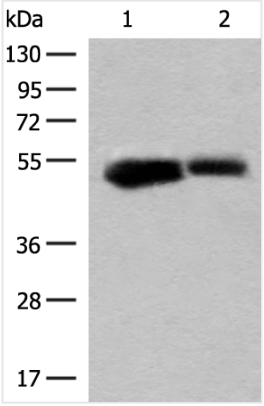
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	The antibody detects endogenous levels of total GLUD1 protein.
Purity/Purification	Antigen affinity purification
Form/Format	pH 7.4 PBS, 0.05% NaN3, 40% Glycerol
Concentration	0.5 mg/mL (varies by lot)
Sequence Length	425
Applicable Applications for anti-GLUD1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Synthetic peptide of human GLUD1
Immunogen Type	Peptide
Preparation and Storage	Store at -20 degree C.

IMAGES



IHC (Immunohiostchemistry)
The image is immunohistochemistry of paraffin-embedded Human tonsil tissue using 47580(GLUD1 Antibody) at dilution 1/20.(Original magnification: 200



SDS-PAGE
Gel: 8%SDS-PAGE, Lysate: 40 μg, Lane 1-2: Mouse liver tissue and Rat liver tissue lysates, Primary antibody:47580(GLUD1 Antibody) at dilution 1/200, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 20 seconds

ADDITIONAL INFORMATION

Related Product Information for anti-GLUD1 antibody	This gene encodes glutamate dehydrogenase, which is a mitochondrial matrix enzyme that catalyzes the oxidative deamination of glutamate to alpha-ketoglutarate and ammonia. This enzyme has an important role in regulating amino acid-induced insulin secretion. It is allosterically activated by ADP and inhibited by GTP and ATP. Activating mutations in this gene are a common cause of congenital hyperinsulinism. Alternative splicing of this gene results in multiple transcript variants. The related glutamate dehydrogenase 2 gene on the human X-chromosome originated from this gene via retrotransposition and encodes a soluble form of glutamate dehydrogenase. Related pseudogenes have been identified on chromosomes 10, 18 and X.
Product Categories/Family for anti-GLUD1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	974141156
NCBI GeneID	2746
NCBI Accession #	NP_001305829.1
NCBI GenBank Nucleotide #	NM_001318900.1
UniProt Accession #	P00367; Q5TBU3; B3KV55; B4DGN5
Molecular Weight	61 kDa
NCBI Official Full Name	glutamate dehydrogenase 1, mitochondrial isoform b
NCBI Official Synonym Full Names	glutamate dehydrogenase 1
NCBI Official Symbol	GLUD1
NCBI Official Synonym Symbols	GDH; GDH1; GLUD
NCBI Protein Information	glutamate dehydrogenase 1, mitochondrial
UniProt Protein Name	Glutamate dehydrogenase 1, mitochondrial
UniProt Gene Name	**GLUD1**
UniProt Synonym Gene Names	GLUD; GDH 1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/glud1-antibody-immunohistochemistry-western-blot-elisa/310724