

Rabbit GLUD1 Polyclonal Antibody | anti-GLUD1 antibody

GLUD1 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23521	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Sheep, Zebrafish	Immunohistochemistry, Western Blot

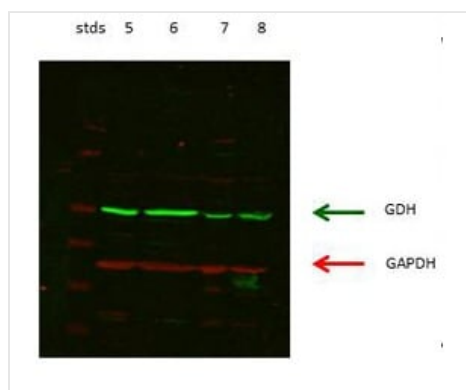
PRODUCT SYNONYMS

GLUD1; Polyclonal Antibody; GLUD1 antibody - N-terminal region; anti-GLUD1 antibody

PRODUCT SPECIFICATIONS

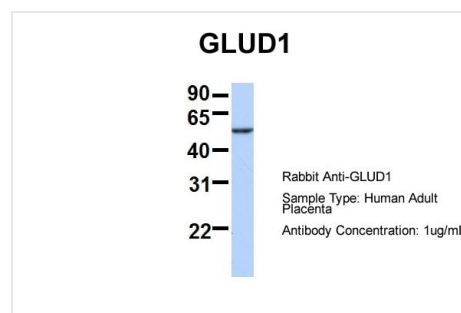
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Sheep, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: AK AGVKINPKNY TDNELEKTR RFTMELAKKG FIGPGIDVPA PDMSTGER
Sequence Length	558
Applicable Applications for anti-GLUD1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 86%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%; Sheep: 100%; Zebrafish: 86%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human GLUD1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



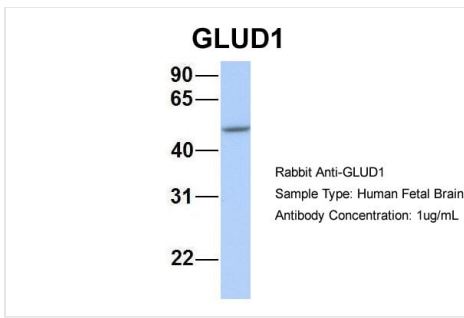
WB (Western Blot)

lanes 5: rat kidney cortex
lanes 6: rat kidney proximal tubules prepped from cortex
lanes 7: LLC-PK-F+ pig kidney proximal tubule tissue culture lysate
lanes 8: rat brain supernatant



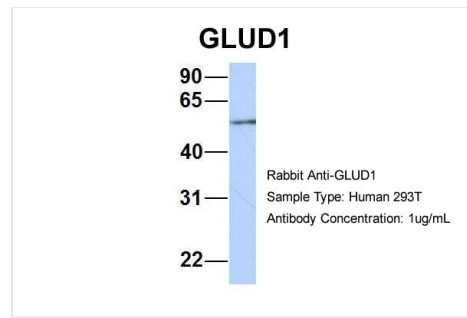
WB (Western Blot)

Host: Rabbit
Target Name: SERPINA3
Sample Type: Human Adult Placenta
Antibody Dilution: 1.0ug/ml



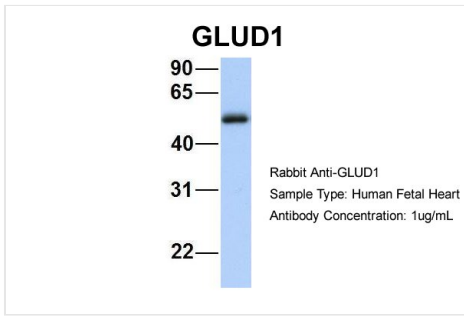
WB (Western Blot)

Host: RabbitTarget Name: NOP56Sample Type: Human Fetal BrainAntibody Dilution: 1.0ug/ml



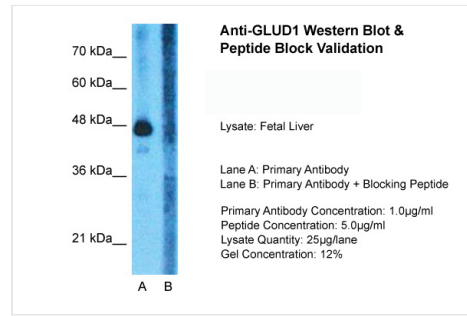
WB (Western Blot)

Host: RabbitTarget Name: HIRIP3Sample Type: 293TAntibody Dilution: 1.0ug/mlGLUD1 is supported by BioGPS gene expression data to be expressed in HEK293T



WB (Western Blot)

Host: RabbitTarget Name: GNASSample Type: Human Fetal HeartAntibody Dilution: 1.0ug/ml



WB (Western Blot)

Host: RabbitTarget Name: GLUD1Sample Type: Human Fetal LiverLane A: Primary AntibodyLane B: Primary Antibody + Blocking PeptidePrimary Antibody Concentration: 1ug/mlPeptide Concentration: 5ug/mlLysate Quantity: 25ug/lane/laneGel Concentration: 0.12

ADDITIONAL INFORMATION

Related Product Information for anti-GLUD1 antibody

This is a rabbit polyclonal antibody against GLUD1. It was validated on Western Blot using a cell lysate as a positive control.

Target Description: 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 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. 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 (Smith et al., 2001 [PubMed 11254391]). Glutamate, the main substrate of GLUD, is 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 (Mavrothalassitis et al., 1988 [PubMed 3368458]). [supplied by OMIM]. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-51 M20867.1 1-51 52-3120 BC112946.1 16-3084

Product Categories/Family for anti-GLUD1 antibody

Polyclonal; Signal Proteins; Lymphocyte Signaling; Membrane Protein; Drugs and Drug Metabolism; Developmental Biology; Immunohistochemistry; Receptors

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885281
NCBI GeneID	2746
NCBI Accession #	NP_005262
NCBI GenBank Nucleotide #	NM_005271
UniProt Accession #	Q5TDP6 ; P00367

Molecular Weight	56kDa
NCBI Official Full Name	glutamate dehydrogenase 1, mitochondrial isoform a
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	Lengsin
UniProt Gene Name	LGSN
UniProt Synonym Gene Names	GLULD1; LGS
UniProt Entry Name	LGSN_HUMAN

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/23521>