

Rabbit GLUD1 Polyclonal Antibody | anti-GLUD1 antibody

GLUD1 Polyclonal Antibody

CATALOG # AAA280484	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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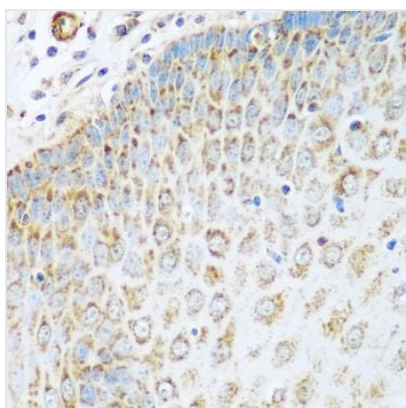
PRODUCT SYNONYMS

GLUD1; Polyclonal Antibody; GLUD1 Polyclonal Antibody; anti-GLUD1 antibody

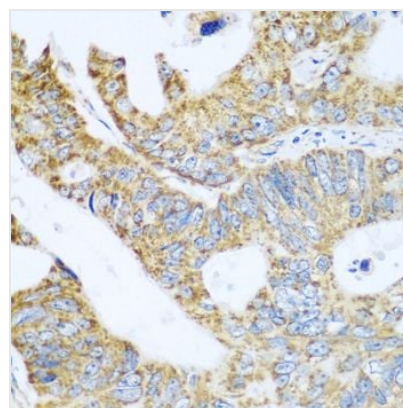
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.
Sequence Length	425
Applicable Applications for anti-GLUD1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human GLUD1
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

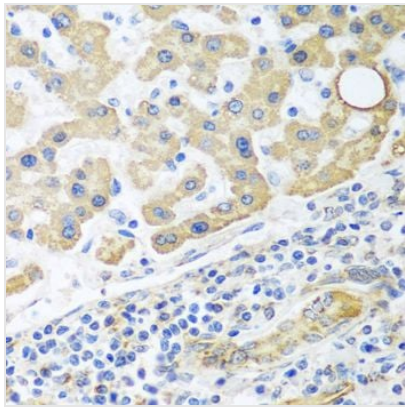
IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human esophagus using GLUD1 antibody at dilution of 1:100 (40x lens).

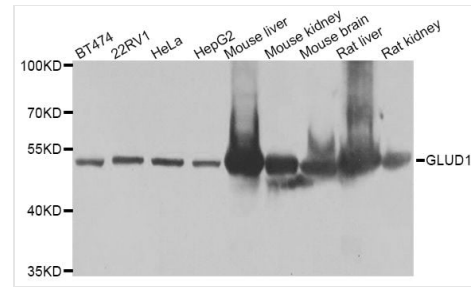

IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human colon carcinoma using GLUD1 antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver cancer using GLUD1 antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using GLUD1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 20s.

ADDITIONAL INFORMATION

Related Product Information for anti-GLUD1 antibody

This gene encodes glutamate dehydrogenase protein; 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 and activating mutations in this gene are a common cause of congenital hyperinsulinism. This enzyme is allosterically activated by ADP and inhibited by GTP and ATP. 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. Multiple pseudogenes of this gene are present in humans.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885281
NCBI GeneID	2746
NCBI Accession #	NP_005262.1
NCBI GenBank Nucleotide #	NM_005271.3
UniProt Accession #	P00367; Q5TBU3; B3KV55; B4DGN5
Molecular Weight	61kDa
NCBI Official Full Name	glutamate dehydrogenase 1, mitochondrial
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
UniProt Entry Name	DHE3_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/280484>