

Rabbit anti-Human Glycine dehydrogenase Polyclonal Antibody | anti-GLDC antibody

Glycine dehydrogenase antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA306449	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Glycine dehydrogenase; Polyclonal Antibody; Glycine dehydrogenase antibody; anti-GLDC antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Purified by antigen-affinity chromatography.
Form/Format	Supplied in 0.1M Tris-buffered saline with 10% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative.
Sequence Length	1020
Applicable Applications for anti-GLDC antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Recombinant protein
Immunogen Description	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 442 and 693 of Human GLDC
Target Name	Glycine dehydrogenase
Preparation and Storage	Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of methanol-fixed HeLa, using Glycine dehydrogenase antibody at 1: 200 dilution.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded A549 xenograft, using Glycine dehydrogenase antibody at 1: 500 dilution.



Application Data

Sample (30 ug of whole cell lysate) A: HeLa 7.5% SDS PAGE Primary antibody diluted at 1: 1000

ADDITIONAL INFORMATION

Related Product Information for anti-GLDC antibody	The enzyme system for cleavage of glycine (glycine cleavage system; GCS; EC 2.1.2.10), which is confined to the mitochondria, is composed of 4 protein components: P protein (a pyridoxal phosphate-dependent glycine decarboxylase), H protein (a lipoic acid-containing protein), T protein (a tetrahydrofolate-requiring enzyme), and L protein (a lipoamide dehydrogenase). Glycine encephalopathy (GCE; MIM 605899) may be due to a defect in any one of these enzymes; see MIM 238310, MIM 238330, and MIM 238331.[supplied by OMIM]
Product Categories/Family for anti-GLDC antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	108773801
NCBI GeneID	2731
NCBI Accession #	NP_000161
NCBI GenBank Nucleotide #	NM_000170.2
Molecular Weight	112,730 Da
NCBI Official Full Name	glycine dehydrogenase (decarboxylating), mitochondrial
NCBI Official Synonym Full Names	glycine dehydrogenase (decarboxylating)
NCBI Official Symbol	GLDC
NCBI Official Synonym Symbols	GCE; GCSP; HYGN1
NCBI Protein Information	glycine dehydrogenase (decarboxylating), mitochondrial
UniProt Protein Name	Glycine dehydrogenase (decarboxylating), mitochondrial
UniProt Gene Name	GLDC
UniProt Synonym Gene Names	GCSP
UniProt Entry Name	GCSP_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.