

Rabbit L2HGDH Polyclonal Antibody | anti-L2HGDH antibody

L2HGDH Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322983	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

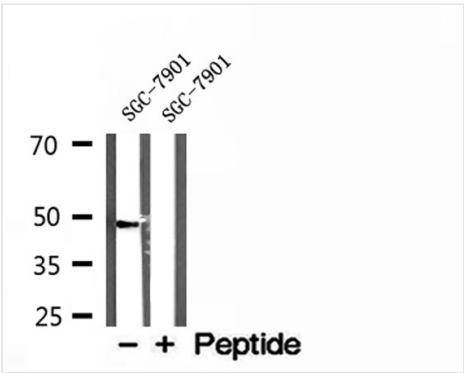
PRODUCT SYNONYMS

L2HGDH; Polyclonal Antibody; L2HGDH Antibody; 2 hydroxyglutarate dehydrogenase; Alpha hydroxyglutarate oxidoreductase; Alpha ketoglutarate reductase; C14orf160; Duranin; FLJ12618; L alpha hydroxyglutarate dehydrogenase; L-2-hydroxyglutarate dehydrogenase; mitochondrial; L2HDH_HUMAN; l2hgdh; anti-L2HGDH antibody

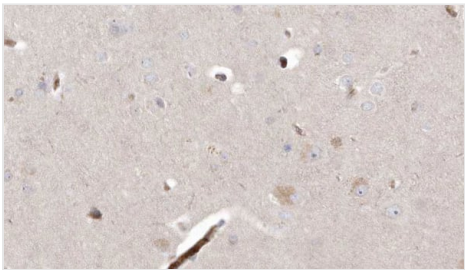
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	L2HGDH antibody detects endogenous levels of L2HGDH.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	463
Applicable Applications for anti-L2HGDH antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human L2HGDH.
Subcellular Location	Mitochondrion.
Tissue Specificity	Widely expressed. Highly expressed in brain, testis and muscle. Expressed to a lower extent in lymphocytes, fibroblasts, keratinocytes, placenta, bladder, small intestine, liver and bone marrow.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (83%), Xenopus (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of SGC-7901 cells, using L2HGDH antibody.



IHC (Immunohistochemistry)
AAA322983 at 1/100 staining Human brain cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-L2HGDH antibody	Function: Was named 'duranin' in honor of Marinus Duran, who first described L-2-hydroxyglutaric aciduria. Similarity: Belongs to the L2HGDH family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13376331
NCBI GeneID	79944
NCBI Accession #	NP_079160.1
NCBI GenBank Nucleotide #	NM_024884.2
UniProt Accession #	Q9H9P8; Q9BRR1
Molecular Weight	Observed: 46-48 kDa Predicted: 51 kDa
NCBI Official Full Name	L-2-hydroxyglutarate dehydrogenase, mitochondrial
NCBI Official Synonym Full Names	L-2-hydroxyglutarate dehydrogenase
NCBI Official Symbol	L2HGDH
NCBI Official Synonym Symbols	L2HGA; C14orf160
NCBI Protein Information	L-2-hydroxyglutarate dehydrogenase, mitochondrial
UniProt Protein Name	L-2-hydroxyglutarate dehydrogenase, mitochondrial
UniProt Gene Name	L2HGDH
UniProt Synonym Gene Names	C14orf160

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.