

Rabbit D2HGDH Polyclonal Antibody | anti-D2HGDH antibody

D2HGDH Antibody

CATALOG # AAA323019	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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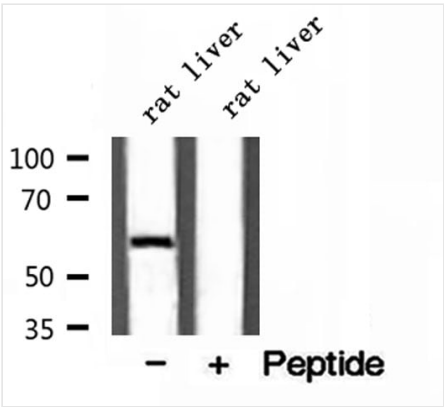
PRODUCT SYNONYMS

D2HGDH; Polyclonal Antibody; D2HGDH Antibody; D-2-hydroxyglutarate dehydrogenase; mitochondrial; D2HGD; D2hgdh; anti-D2HGDH antibody

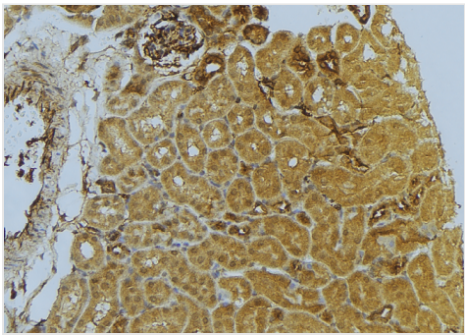
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	D2HGDH antibody detects endogenous levels of D2HGDH.
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	387
Applicable Applications for anti-D2HGDH antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human D2HGDH.
Subcellular Location	Mitochondrion
Predicted Cross Reactivity	Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Zebrafish (92%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
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 rat liver tissue, using D2HGDH antibody.



IHC (Immunohistochemistry)
AAA323019 at 1/100 staining Mouse kidney 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-D2HGDH antibody	Function: Catalyzes the oxidation of D-2-hydroxyglutarate to alpha-ketoglutarate. Similarity: Belongs to the FAD-binding oxidoreductase/transferase type 4 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	564730541
NCBI GeneID	728294
NCBI Accession #	NP_001274178.1
NCBI GenBank Nucleotide #	NM_001287249.1
UniProt Accession #	Q8N465; Q6IQ24; Q8N5Q8; B4E3L6; E7ENP2
Molecular Weight	Observed: 56 kDa Predicted: 57 kDa
NCBI Official Full Name	D-2-hydroxyglutarate dehydrogenase, mitochondrial isoform 2
NCBI Official Synonym Full Names	D-2-hydroxyglutarate dehydrogenase
NCBI Official Symbol	D2HGDH
NCBI Official Synonym Symbols	D2HGD
NCBI Protein Information	D-2-hydroxyglutarate dehydrogenase, mitochondrial
UniProt Protein Name	D-2-hydroxyglutarate dehydrogenase, mitochondrial
UniProt Gene Name	D2HGDH
UniProt Synonym Gene Names	D2HGD

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.