

SARDH Rabbit pAb

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Catalog # AP57175

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9UL12
Reactivity	Rat
Predicted	Pig, Dog, Human, Mouse, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	101037
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SARDH
Epitope Specificity	101-200/918
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Mitochondrion matrix (By similarity)
DISEASE	Sarcosinemia (SARCOS) [MIM:268900]: A metabolic disorder characterized by an increased concentration of sarcosine in plasma and an increased excretion of sarcosine in urine. Sarcosinemia is most probably a benign condition without significant clinical problems. Some reports have associated sarcosinemia with mental retardation and neurologic problems.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes an enzyme localized to the mitochondrial matrix which catalyzes the oxidative demethylation of sarcosine. This enzyme is distinct from another mitochondrial matrix enzyme, dimethylglycine dehydrogenase, which catalyzes a reaction resulting in the formation of sarcosine. Mutations in this gene are associated with sarcosinemia. Alternatively spliced transcript variants have been described. [provided by RefSeq, Oct 2008]

Additional Information

Gene ID	1757
Other Names	Sarcosine dehydrogenase, mitochondrial, SarDH, 1.5.8.3, BPR-2, SARDH (HGNC:10536), DMGDHL1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

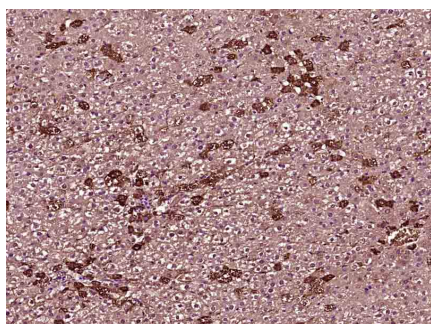
Protein Information

Name	SARDH (HGNC:10536)
Synonyms	DMGDHL1
Function	Catalyzes the last step of the oxidative degradation of choline to glycine. Converts sarcosine into glycine.
Cellular Location	Mitochondrion matrix {ECO:0000250 UniProtKB:Q64380}
Tissue Location	Expressed in pancreas, liver and kidney.

Background

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Images



Paraformaldehyde-fixed, paraffin embedded (Rat liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SARDH) Polyclonal Antibody, Unconjugated (AP57175) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.