

Rabbit SARDH Polyclonal Antibody | anti-SARDH antibody

Anti-SARDH Antibody Picoband

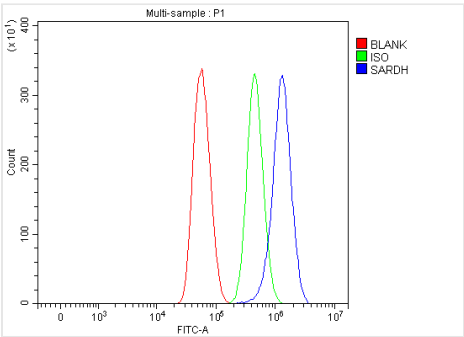
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126556	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

SARDH; Polyclonal Antibody; Anti-SARDH Antibody Picoband; anti-SARDH antibody

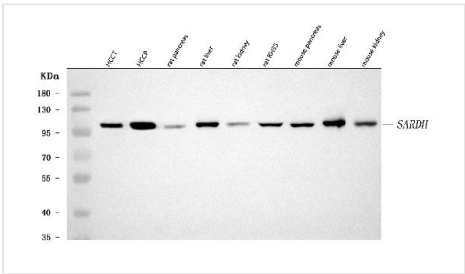
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-SARDH antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human SARDH recombinant protein (Position: M1-E640).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of U87 cells using anti-SARDH antibody (AAA126556). Overlay histogram showing U87 cells stained with AAA126556 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SARDH Antibody (AAA126556, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of SARDH using anti-SARDH antibody (AAA126556). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human hepatocellular carcinoma tumor tissue (HCCT) lysates, Lane 2: human hepatocellular carcinoma paracancerous tissue (HCCP) lysates, Lane 3: ran pancreas tissue lysates, Lane 4: rat liver tissue lysates, Lane 5: rat kidney tissue lysates, Lane 6: rat RH35 whole cell lysates, Lane 7: mouse pancreas tissue lysates, Lane 8: mouse liver tissue lysates, Lane 9: mouse kidney tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-SARDH antigen affinity purified polyclonal antibody (#AAA126556) at 0.25 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for SARDH at approximately 101 kDa. The expected band size for SARDH is at 101 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-SARDH antibody	Sarcosine dehydrogenase, mitochondrial is an enzyme that in humans is encoded by the SARDH gene. 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.
Product Categories/Family for anti-SARDH antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361378
NCBI GeneID	1757
NCBI Accession #	NP_009032.2
NCBI GenBank Nucleotide #	NM_007101.3
UniProt Accession #	Q9UL12; Q5SYV0; Q9Y280; Q9Y2Y3; B2RMR5; B7ZLT6
Molecular Weight	101,037 Da
NCBI Official Full Name	sarcosine dehydrogenase, mitochondrial
NCBI Official Synonym Full Names	sarcosine dehydrogenase
NCBI Official Symbol	SARDH
NCBI Official Synonym Symbols	SAR; SDH; SARD; BPR-2; DMGDHL1
NCBI Protein Information	sarcosine dehydrogenase, mitochondrial; dimethylglycine dehydrogenase-like 1
UniProt Protein Name	Sarcosine dehydrogenase, mitochondrial
UniProt Gene Name	SARDH

UniProt Synonym Gene Names	DMGDHL1; SarDH
UniProt Entry Name	SARDH_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/sardh-antibody-flow-cytometry-western-blot-elisa/126556>