10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SDHA Antibody
Rabbit Polyclonal Antibody
Catalog # ALS17157

Specification

SDHA Antibody - Product Information

Application	**WB, IHC-P, E**
Primary Accession	P31040
Other Accession	6389
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**72692**
Dilution	**WB~~1:1000** **IHC-P~~N/A** **E~~N/A**

SDHA Antibody - Additional Information

Gene ID 6389

Other Names
SDHA, SDH1, PGL5, SDHF, CMD1GG, FP, SDH2

Target/Specificity
Human SDHA

Reconstitution & Storage
PBS, pH 7.4, 0.03% Proclin 300, 50% glycerol. Aliquot and store at -20°C or -80°C. Avoid freeze-thaw cycles.

Precautions
SDHA Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

SDHA Antibody - Protein Information

Name SDHA

Synonyms SDH2, SDHF

Function
Flavoprotein (FP) subunit of succinate dehydrogenase (SDH) that is involved in complex II of the mitochondrial electron transport chain and is responsible for transferring electrons from succinate to ubiquinone (coenzyme Q) (PubMed:10746566, PubMed:24781757). SDH also oxidizes malate to the non-canonical enol form of oxaloacetate, enol- oxaloacetate (By similarity). Enol-oxaloacetate, which is a potent inhibitor of

the succinate dehydrogenase activity, is further isomerized into keto-oxaloacetate (By similarity). Can act as a tumor suppressor (PubMed:20484225).

Cellular Location
Mitochondrion inner membrane; Peripheral membrane protein; Matrix side

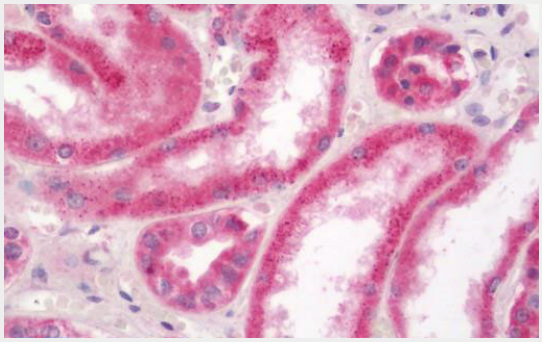
SDHA Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SDHA Antibody - Images

Human Liver: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Kidney: Formalin-Fixed, Paraffin-Embedded (FFPE)

SDHA Antibody - Background

Flavoprotein (FP) subunit of succinate dehydrogenase (SDH) that is involved in complex II of the mitochondrial electron transport chain and is responsible for transferring electrons from succinate to ubiquinone (coenzyme Q). Can act as a tumor suppressor.

SDHA Antibody - References

Hirawake H.,et al.J. Biochem. 116:221-227(1994).
Morris A.A.M.,et al.Biochim. Biophys. Acta 1185:125-128(1994).
Parfait B.,et al.Hum. Genet. 106:236-243(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Totoki Y.,et al.Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.