

SDHA Antibody
Rabbit Polyclonal Antibody
Catalog # ALS17157**Specification**

SDHA Antibody - Product Information

Application	IHC-P
Primary Accession	P31040
Other Accession	6389
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	72692

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](http://www.uniprot.org/citations/10746566) target="_blank">10746566, PubMed: [24781757](http://www.uniprot.org/citations/24781757) target="_blank">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](http://www.uniprot.org/citations/20484225) target="_blank">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 Cytometry](#)
- [Cell Culture](#)

SDHA Antibody - Images



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



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

SDHA Antibody - Background

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SDHA Antibody - References

- Hirawake H., et al. *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.