

**SDHB Polyclonal Antibody**  
**Catalog # AP73633****Specification****SDHB Polyclonal Antibody - Product Information**

Application	WB, IHC-P
Primary Accession	<a href="#">P21912</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

**SDHB Polyclonal Antibody - Additional Information****Gene ID 6390****Other Names**

SDHB; SDH; SDH1; Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial; Iron-sulfur subunit of complex II; Ip

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1/100-1/300. ELISA: 1/20000. Not yet tested in other applications.  
IHC-P~~N/A

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**SDHB Polyclonal Antibody - Protein Information****Name** SDHB**Synonyms** SDH, SDH1**Function**

Iron-sulfur protein (IP) subunit of the succinate dehydrogenase complex (mitochondrial respiratory chain complex II), responsible for transferring electrons from succinate to ubiquinone (coenzyme Q) (PubMed:<a href="http://www.uniprot.org/citations/26925370" target="\_blank">26925370</a>, PubMed:<a href="http://www.uniprot.org/citations/27604842" target="\_blank">27604842</a>). 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).

**Cellular Location**

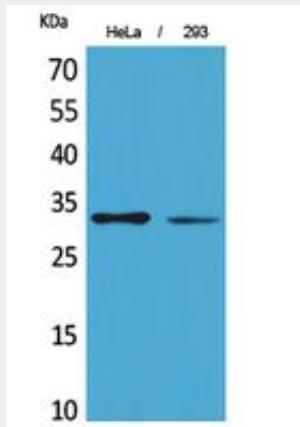
Mitochondrion inner membrane; Peripheral membrane protein; Matrix side

## SDHB Polyclonal Antibody - Protocols

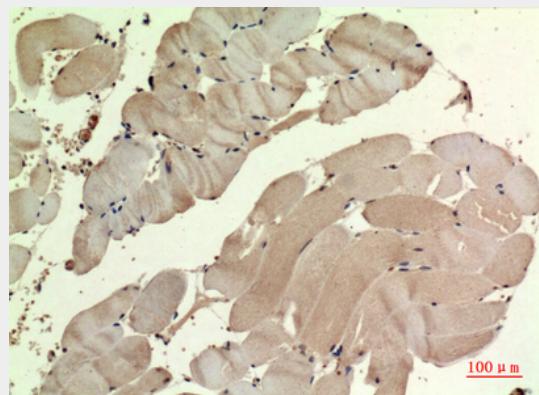
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

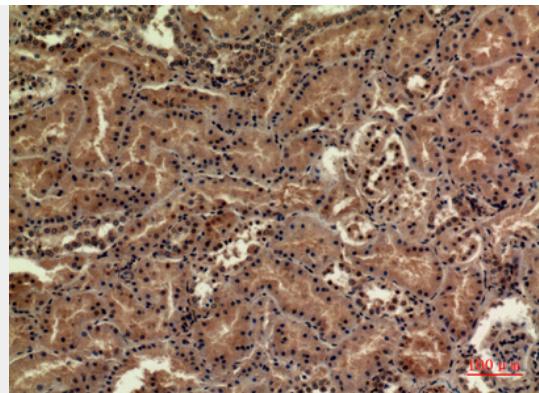
## SDHB Polyclonal Antibody - Images



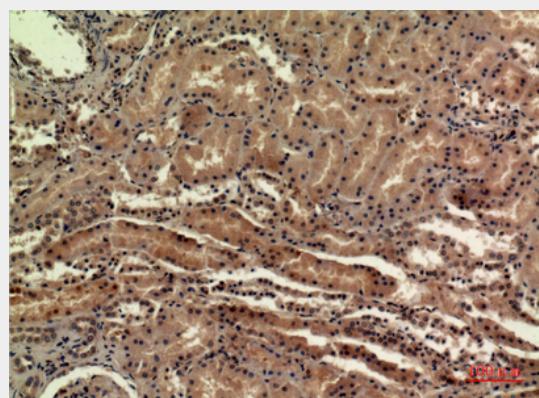
Western Blot analysis of HeLa, 293 cells using SDHB Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-muscle, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-kidney, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-kidney, antibody was diluted at 1:100

#### **SDHB Polyclonal Antibody - Background**

Iron-sulfur protein (IP) 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).