

**SDHB Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # Azb18722a****Specification**

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**SDHB Antibody - Product Information**

Application	WB,E
Primary Accession	<a href="#">P21912</a>
Other Accession	<a href="#">O9CQA3</a> , <a href="#">P21913</a> , <a href="#">A5PL98</a> , <a href="#">Q3T189</a> , <a href="#">Q9YHT2</a> , <a href="#">Q007T0</a>
Reactivity	Human, Mouse, Rat, Zebrafish
Predicted	Bovine, Chicken, Pig
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	31,630 Da Da
Antigen Region	147-182

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

Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial, Iron-sulfur subunit of complex II, Ip, sdhb

**Target/Specificity**

This SDHB antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 147-182 amino acids from the region of human SDHB.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

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

**SDHB 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:[26925370](#), PubMed:[27604842](#)). 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

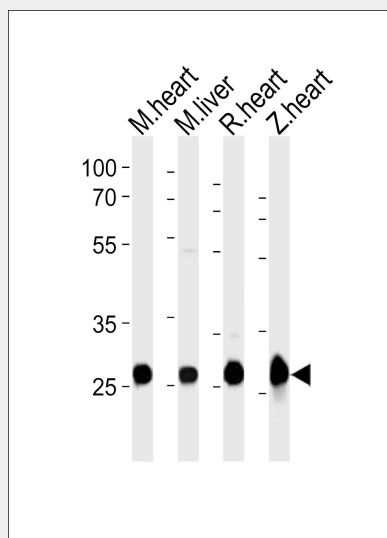
Mitochondrion inner membrane; Peripheral membrane protein; Matrix side

## SDHB Antibody - Protocols

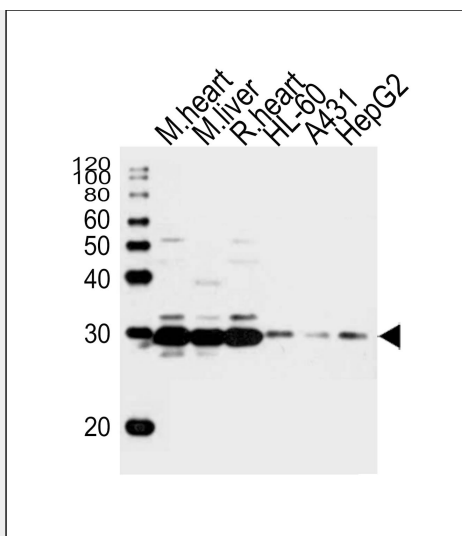
Provided below are standard protocols that you may find useful for product applications.

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

## SDHB Antibody - Images



Western blot analysis of lysates from mouse heart, mouse liver, rat heart, zebra fish heart tissue lysate (from left to right), using SDHB Antibody (Cat. #Azb18722a). Azb18722a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.



Western blot analysis of lysates from mouse heart, mouse liver, rat heart tissue, HL-60, A431, HepG2 cell line (from left to right), using SDHB Antibody (Cat. #Azb18722a). Azb18722a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.

#### **SDHB 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) (By similarity).