

#### **SDHB Antibody**

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5454

# **Specification**

## **SDHB Antibody - Product Information**

Application
Primary Accession
Other Accession
Reactivity
Host
Clonality
Calculated MW
Isotype

Isotype Antigen Source **WB,E** P21912

O9COA3, P21913, A5PL98 Human, Mouse, Rat, Zebrafish

Rabbit Polyclonal 31,630 Da Da Rabbit IgG HUMAN

# **SDHB Antibody - Additional Information**

**Gene ID 6390** 

**Antigen Region** 

147-182

#### **Other Names**

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

# **Dilution**

WB~~1:1000

#### **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.

#### **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:<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**

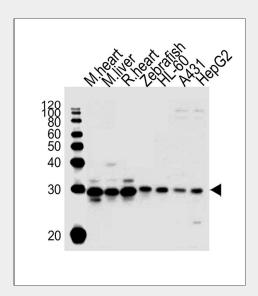
Mitochondrion inner membrane; Peripheral membrane protein; Matrix side

## **SDHB 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

## SDHB Antibody - Images



All lanes : Anti-SDHB Antibody at 1:1000 dilution Lane 1: mouse heart lysates Lane 2: mouse liver lysates Lane 3: rat heart lysates Lane 4: Zebrafish lysates Lane 5: HL-60 whole cell lysates Lane 6: A431 whole cell lysates Lane 7: HepG2 whole cell lysates Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution Predicted band size : 32 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

## 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).