

## SDHB Rabbit mAb

Catalog # AP76965

## **Product Information**

**Application** WB, IHC-P, FC, IP

Primary Accession P21912

**Reactivity** Rat, Human, Mouse

**Host** Rabbit

**Clonality** Monoclonal Antibody

**Isotype** IgG

**Conjugate** Unconjugated

**Immunogen** A synthesized peptide derived from human SDHB

**Purification** Affinity Chromatography

Calculated MW 31630

## **Additional Information**

**Gene ID** 6390

Other Names SDHB

**Dilution** WB~~1/500-1/1000 IHC-P~~N/A FC~~1:10~50 IP~~N/A

Format Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02%

sodium azide and 50% glycerol.

**Storage** Store at 4°C short term. Aliquot and store at -20°C long term. Avoid

freeze/thaw cycles.

## **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

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