

SDHB Antibody

Rabbit mAb

Catalog # AP93235

Product Information

Application	WB, IHC, IP
Primary Accession	P21912
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	CWS2; PGL4; SDH; SDH1; SDH2; SdhB; SDHIP;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	31630

Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200 IP 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human SDHB
Description	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).
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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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