

RecomAb™

SDHB recombinant monoclonal antibody, clone R08-5J9

Catalog # RAB06481 Size 100 uL

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human SDHB.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human SDHB.
Theoretical MW (kDa)	Calculated MW: 32 kD
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Flow Cytometry (1:50-1:100) Immunohistochemistry (1:50-1:100) Immunoprecipitation(1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end use.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol and 0.02% Sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

- Immunohistochemistry
- Immunoprecipitation
- Flow Cytometry

Gene Info — SDHB

Entrez GeneID [6390](#)

Gene Name SDHB

Gene Alias FLJ92337, IP, PGL4, SDH, SDH1, SDHIP

Gene Description succinate dehydrogenase complex, subunit B, iron sulfur (lp)

Omim ID [115310](#) [171300](#) [185470](#)

Gene Ontology [Hyperlink](#)

Gene Summary Complex II of the respiratory chain, which is specifically involved in the oxidation of succinate, carries electrons from FADH to CoQ. The complex is composed of four nuclear-encoded subunits and is localized in the mitochondrial inner membrane. The iron-sulfur subunit is highly conserved and contains three cysteine-rich clusters which may comprise the iron-sulfur centers of the enzyme. Sporadic and familial mutations in this gene result in paragangliomas and pheochromocytoma, and support a link between mitochondrial dysfunction and tumorigenesis. [provided by RefSeq]

Other Designations OTTHUMP00000002396|OTTHUMP000000044624|iron-sulfur subunit

Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of phenylpropanoids](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)

- [Citrate cycle \(TCA cycle\)](#)
- [Metabolic pathways](#)
- [Oxidative phosphorylation](#)

Disease

- [Abdominal Neoplasms](#)
- [Adrenal Gland Neoplasms](#)
- [Bone Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Carotid Body Tumor](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glomus Jugulare Tumor](#)
- [Glomus Tumor](#)
- [Hamartoma Syndrome](#)
- [Head and Neck Neoplasms](#)
- [Hippel-Lindau Disease](#)
- [Infertility](#)
- [Kidney Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Multiple endocrine neoplasia](#)
- [Multiple Endocrine Neoplasia Type 2a](#)
- [Narcolepsy](#)
- [Neoplasms](#)

- [Neurofibromatosis](#)
- [Paranganglioma](#)
- [Pheochromocytoma](#)
- [Prostatic Neoplasms](#)
- [Syndrome](#)
- [Thoracic Neoplasms](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [von Hippel-Lindau Disease](#)
- [Von Hippel-Lindau syndrome](#)