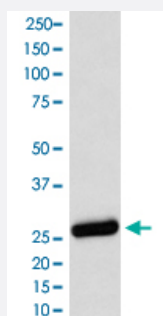


SDHB monoclonal antibody, clone ABDF-19

Catalog # MAB20699 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of A431 cell lysate with SDHB monoclonal antibody, clone ABDF-19 (Cat # MAB20699).

Specification

Product Description Rabbit monoclonal antibody raised against synthetic peptide of human SDHB.

Immunogen A synthetic peptide corresponding to human SDHB.

Host Rabbit

Theoretical MW (kDa) 31.63

Reactivity Human

Form Liquid

Purification Affinity purification

Isotype IgG

Recommend Usage

- Flow Cytometry (1:50)
- Immunohistochemistry (1:50-1:200)
- Immunoprecipitation (1:50)
- Western Blot (1:500-1:2000)
- The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

Storage Instruction

Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. 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 (Cell lysate)

Western Blot analysis of A431 cell lysate with SDHB monoclonal antibody, clone ABDF-19 (Cat # MAB20699).

- Immunohistochemistry

- Immunoprecipitation

- Flow Cytometry

Gene Info — SDHB

Entrez GeneID[6390](#)**Protein Accession#**[P21912](#)**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|OTTHUMP00000044624|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](#)
- [Paraganglioma](#)
- [Pheochromocytoma](#)
- [Prostatic Neoplasms](#)
- [Syndrome](#)
- [Thoracic Neoplasms](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [von Hippel-Lindau Disease](#)
- [Von Hippel-Lindau syndrome](#)