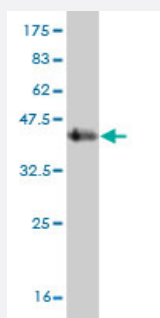


SDHC monoclonal antibody (M02), clone 3G7

Catalog # H00006391-M02

Size 100 ug

Applications



Western Blot detection against Immunogen (44.33 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant SDHC.
Immunogen	SDHC (AAH33626, 1 a.a. ~ 169 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAALLLRHVGRHCLRAHFSPQLCIRNAVPLGTTAKEEMERFWNKNIGSNRPLSPHITYSWSLPMA MSICHRGTGIALSAGVSLFGMSALLPGNFESYLELVKSLCLGPALIHTAKFALVFPLMYHTWNGIR HLMWDLGKGLKIPQLYQSGVVVLVLTVLSSMGLAAM
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (80); Rat (82)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (44.33 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — SDHC

Entrez GeneID	6391
GeneBank Accession#	BC033626
Protein Accession#	AAH33626
Gene Name	SDHC
Gene Alias	CYB560, CYBL, PGL3, QPS1, SDH3
Gene Description	succinate dehydrogenase complex, subunit C, integral membrane protein, 15kDa
Omim ID	602413 605373
Gene Ontology	Hyperlink
Gene Summary	This gene encodes one of four nuclear-encoded subunits that comprise succinate dehydrogenase , also known as mitochondrial complex II, a key enzyme complex of the tricarboxylic acid cycle and aerobic respiratory chains of mitochondria. The encoded protein is one of two integral membrane proteins that anchor other subunits of the complex, which form the catalytic core, to the inner mitochondrial membrane. Several related pseudogenes are located in different genomic regions. Mutations in this gene have been associated with paragangliomas. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq]
Other Designations	OTTHUMP00000032375 cytochrome B large subunit of complex II integral membrane protein CII-3 integral membrane protein CII-3b succinate dehydrogenase complex, subunit C succinate dehydrogenase cytochrome b560 subunit succinate-ubiquinone oxidoreductase cy

Publication Reference

- [Specific disintegration of complex II succinate:ubiquinone oxidoreductase links pH changes to oxidative stress for apoptosis induction.](#)

Lemarie A, Huc L, Pazarentzos E, Mahul-Mellier AL, Grimm S.

Cell Death and Differentiation 2011 Feb; 18(2):338.

Application: WB-Ti, Human, HeLa cells

- [Mutations in the heme b-binding residue of SDHC inhibit assembly of respiratory chain complex II in mammalian cells.](#)

Lemarie A, Grimm S.

Mitochondrion 2009 Jul; 9(4):254.

Application: WB-Ce, WB-Tr, Human, Mouse, B9, HeLa cells

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

- [Adrenal Gland Neoplasms](#)
- [Atrophy](#)
- [Bone Neoplasms](#)
- [Carcinoma](#)

- [Carotid Body Tumor](#)
- [Genetic Predisposition to Disease](#)
- [Glomus Jugulare Tumor](#)
- [Head and Neck Neoplasms](#)
- [Helicobacter Infections](#)
- [Infertility](#)
- [Kidney Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Multiple endocrine neoplasia](#)
- [Multiple Endocrine Neoplasia Type 2a](#)
- [Neurofibromatosis](#)
- [Paraganglioma](#)
- [Pheochromocytoma](#)
- [Prostatic Neoplasms](#)
- [Stomach Neoplasms](#)
- [Thyroid Neoplasms](#)
- [von Hippel-Lindau Disease](#)
- [Von Hippel-Lindau syndrome](#)