SDHC Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	SDHC, Monoclonal Antibody
Full Product Name	SDHC (Succinate Dehydrogenase Complex, Subunit C, Integral Membrane Protein, 15kD, CYB560, CYBL, PGL3, QPS1, SDH3) (MaxLight 550)
Product Gene Name	anti-SDHC antibody
Product Synonym Names	Succinate Dehydrogenase Complex; Subunit C; Integral Membrane Protein; 15kD; CYB560; CYBL; PGL3; QPS1; SDH3
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	3G7
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified
Specificity	Recognizes SDHC.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Immunogen	SDHC (AAH33626, 1aa-169aa) full-length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MAALLLRHVGRHCLRAHFSPQLCIRNAVPLGTTAKEEMERFWNKNIGSNRPLSPHITIYSWSLPMAMSICHRGTGIALSAGVSLFGMSALLLPGNFESYLE
Conjugate	MaxLight550
Product Categories/Family for anti-SDHC antibody	Antibodies; Enzymes; Cytochrome
Applications Tested/Suitable for anti-SDHC antibody	Western Blot (WB)
Application Notes for anti-SDHC antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-SDHC antibody	This gene encodes one of four nuclear-encoded subunits that comprise succinate dehydrogenase, also known as mitochondrial complex II, a key enzy encoded protein is one of two integral membrane proteins that anchor other subunits of the complex, which form the catalytic core, to the inner mitocho in this gene have been associated with paragangliomas. Alternatively spliced transcript variants encoding different isoforms have been described. [prov
Product References and Citations for anti-SDHC antibody	1. Specific disintegration of complex II succinate:ubiquinone oxidoreductase links pH changes to oxidative stress for apoptosis induction. Lemarie A, Hu 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

Other Notes	Small volumes of anti-SDHC antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SDHC purchase	MBS6219121 is an antibody targeting SDHC. Also known as SDHC (Succinate Dehydrogenase Complex, Subunit C, Integral Membrane Protein, 15kD

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SDHC. It may not necessarily be applicable to this product.

NCBI GI #	21708000
NCBI GeneID	6391
NCBI Accession #	AAH33626
UniProt Related Accession #	Q99643
NCBI Official Full Name	Succinate dehydrogenase complex, subunit C, integral membrane protein, 15kDa
NCBI Official Synonym Full Names	succinate dehydrogenase complex subunit C
NCBI Official Symbol	SDHC
NCBI Official Synonym Symbols	CYBL; PGL3; QPS1; SDH3; CYB560
Protein Family	Succinate dehydrogenase 2 membrane
NCBI Protein Information	succinate dehydrogenase cytochrome b560 subunit, mitochondrial
NCBI Summary for SDHC	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. There are several related pseudogenes for this gene on different chromosomes. Mutations in this gene have been associated with paragangliomas. Alternatively spliced transcript variants have been described. [provided by RefSeq, May 2013]
Research Articles on SDHC	**1.** Specific genotype-tumour risk associations provides a basis for novel investigative strategies into succinate dehydrogenase-related mechanisms of tumourigenesis and the development of personalised management for SDHB/SDHC/SDHD mutation carriers
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