10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SDHC Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant SDHC.
Catalog # AT3802a

Product Information

Application	WB, IHC
Primary Accession	Q99643
Other Accession	BC033626
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3E3
Calculated MW	18610

Additional Information

Gene ID	6391
Other Names	Succinate dehydrogenase cytochrome b560 subunit, mitochondrial, Integral membrane protein CII-3, QPs-1, QPs1, Succinate dehydrogenase complex subunit C, Succinate-ubiquinone oxidoreductase cytochrome B large subunit, CYBL, SDHC, CYB560, SDH3
Target/Specificity	SDHC (AAH33626, 1 a.a. ~ 169 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	SDHC Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

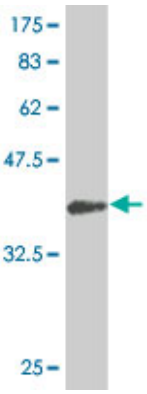
Background

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.

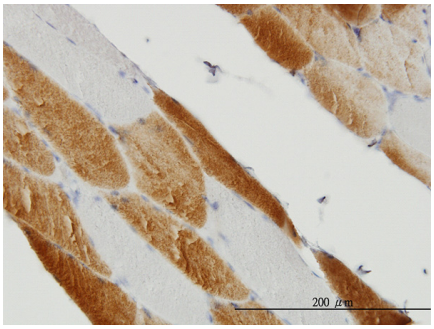
References

Immunohistochemistry for SDHB triages genetic testing of SDHB, SDHC, and SDHD in paraganglioma-pheochromocytoma syndromes. Gill AJ, et al. Hum Pathol, 2010 Jun. PMID 20236688.Relevance of germline mutation screening in both familial and sporadic head and neck paraganglioma for early diagnosis and clinical management. Hermsen MA, et al. Cell Oncol, 2010 Jan 1. PMID 20208144.Development and validation of a comprehensive mutation and deletion detection assay for SDHB, SDHC, and SDHD. Milosevic D, et al. Clin Biochem, 2010 May. PMID 20153743.Isocitrate dehydrogenase mutations are rare in pheochromocytomas and paragangliomas. Gaal J, et al. J Clin Endocrinol Metab, 2010 Mar. PMID 19915015.A role for succinate dehydrogenase genes in low chemoresponsiveness to hypoxia? Richalet JP, et al. Clin Auton Res, 2009 Dec. PMID 19768395.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (44.33 KDa) .



Immunoperoxidase of monoclonal antibody to SDHC on formalin-fixed paraffin-embedded human skeletal muscle. [antibody concentration 3 ug/ml]

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.