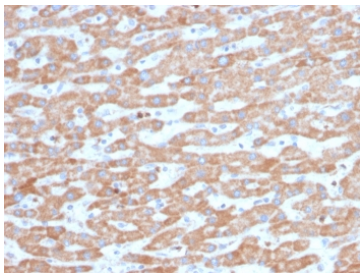
SDHB Antibody / Succinate dehydrogenase B [clone SDHB/3745] (V4696)

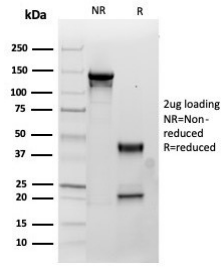
Catalog No.	Formulation	Size
V4696-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4696-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4696SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2, kappa
Clone Name	SDHB/3745
Purity	Protein A/G affinity
UniProt	P21912
Localization	Cytoplasm (Mitochondria)
Applications	Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This SDHB antibody is available for research use only.



IHC staining of FFPE human liver tissue with SDHB antibody (clone SDHB/3745). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free SDHB antibody (clone SDHB/3745) as confirmation of integrity and purity.

Description

Succinate dehydrogenase (SDH) is Complex II in the mitochondria, vital for mitochondrial electron transport, as well as Krebs cycle function. Four subunits comprise the SDH protein complex: a flavochrome subunit (SDHA), an iron-sulfur protein (SDHB) and two membrane-bound subunits (SDHC and SDHD) anchored to the inner mitochondrial membrane. The SDH complex functions as a tumor suppressor. Loss of any subunit proteins lead to destabilization of the complex and tumor formation. Antibody to SDHB is helpful in the identification of phaeochromocytomas, paragangliomas and GIST.

Application Notes

Optimal dilution of the SDHB antibody should be determined by the researcher.

Immunogen

A recombinant human SDHB protein fragment (within amino acids 165-273) was used as the immunogen for the SDHB antibody.

Storage

Aliquot the SDHB antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com