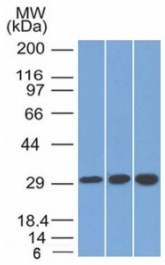
SDHB Antibody [clone SDHB/2126] (V8811)

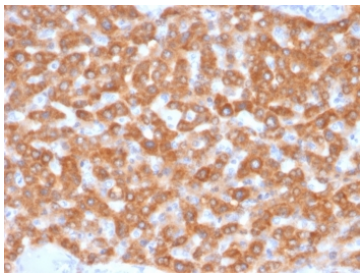
Catalog No.	Formulation	Size
V8811-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V8811-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V8811SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

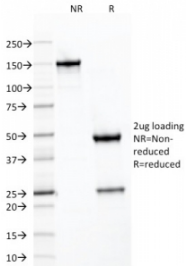
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	SDHB/2126
Purity	Protein A/G affinity
UniProt	P21912
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This SDHB antibody is available for research use only.



Western blot testing of human 1) 293, 2) Jurkat and 3) HepG2 cell lysate using SDHB antibody (clone SDHB/2126).



IHC staining of FFPE human kidney tissue with SDHB antibody (clone SDHB/2126). 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 (SDHB/2126) 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 portion of 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