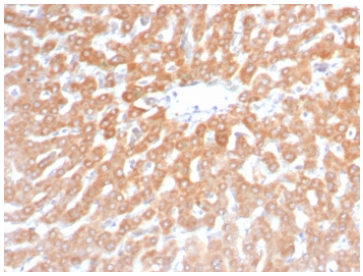
Recombinant SDHB Antibody / Succinate dehydrogenase B [clone rSDHB/6948] (V4679)

Catalog No.	Formulation	Size
V4679-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4679-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4679SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant | MOUSE MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rSDHB/6948
Purity	Protein A/G affinity
UniProt	P21912
Localization	Cytoplasm (Mitochondria)
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This recombinant SDHB antibody is available for research use only.



SDHB Antibody Hepatocellular Carcinoma IHC. Immunohistochemistry staining of FFPE human hepatocellular carcinoma tissue with recombinant SDHB antibody (clone rSDHB/6948). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

Succinate dehydrogenase B (SDHB) is an iron-sulfur subunit of mitochondrial complex II, a key component of the citric

acid cycle and the electron transport chain, a respiratory complex that catalyzes the oxidation of succinate in the mitochondrial membrane.Many cancers are generally positive for SDHB, including renal cell carcinomas and gastrointestinal stromal tumors. A subset of RCC and GIST tumors that are associated with SDH mutations, Carney-Stratakis Syndrome or Carney Triad exhibit a loss of SDHB expression.

Researchers studying succinate dehydrogenase expression and mitochondrial Complex II function can explore our SDHB Antibody page for additional reagents targeting the Complex II iron-sulfur subunit.

Application Notes

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

Immunogen

A recombinant partial protein sequence (within amino acids 180-280) from the human protein was used as the immunogen for the recombinant SDHB antibody.

Storage

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

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