

## SDHB Antibody [clone SDHB/2382] (V8073)

Catalog No.	Formulation	Size
V8073-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8073-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8073SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

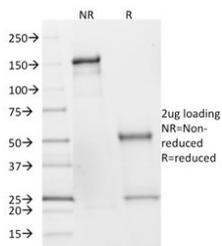
[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2b, kappa
<b>Clone Name</b>	SDHB/2382
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P21912
<b>Applications</b>	Western Blot : 2-4ug/ml
<b>Limitations</b>	This SDHB antibody is available for research use only.

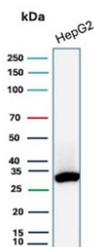
Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using SDHB antibody (clone SDHB/2382). These results demonstrate the foremost specificity of the SDHB/2382 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free SDHB antibody (clone SDHB/2382) as confirmation of integrity and purity.



Western blot testing of human HepG2 cell lysate with SDHB antibody. Predicted molecular weight 25-32 kDa.

## 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 pheochromocytomas, paragangliomas and GIST.

## Application Notes

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

## Immunogen

A recombinant human partial protein (amino acids 165-273) were used as the immunogen for this SDHB antibody.

## Storage

Store the SDHB antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).