

Datasheet for ABIN6940566  
**anti-SDHB antibody (AA 165-273)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µg
Target:	SDHB
Binding Specificity:	AA 165-273
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SDHB antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	Recombinant fragment (around aa 165-273) of human SDHB protein (exact sequence is proprietary)
Clone:	SDHB-2382
Isotype:	IgG2b kappa
Purification:	Purified by Protein A/G

## Target Details

Target:	SDHB
Alternative Name:	SDHB ( <a href="#">SDHB Products</a> )
Background:	Succinate dehydrogenase (SDH) is Complex II in the mitochondria, vital for mitochondrial

## Target Details

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.

Molecular Weight: 32kDa

Gene ID: 6390

UniProt: [P21912](#)

## Application Details

Application Notes: Positive Control: Jurkat or HepG2 cells. Human kidney or liver.  
Known Application: Western Blot (0.5-1.0 µg/mL), Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

## Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

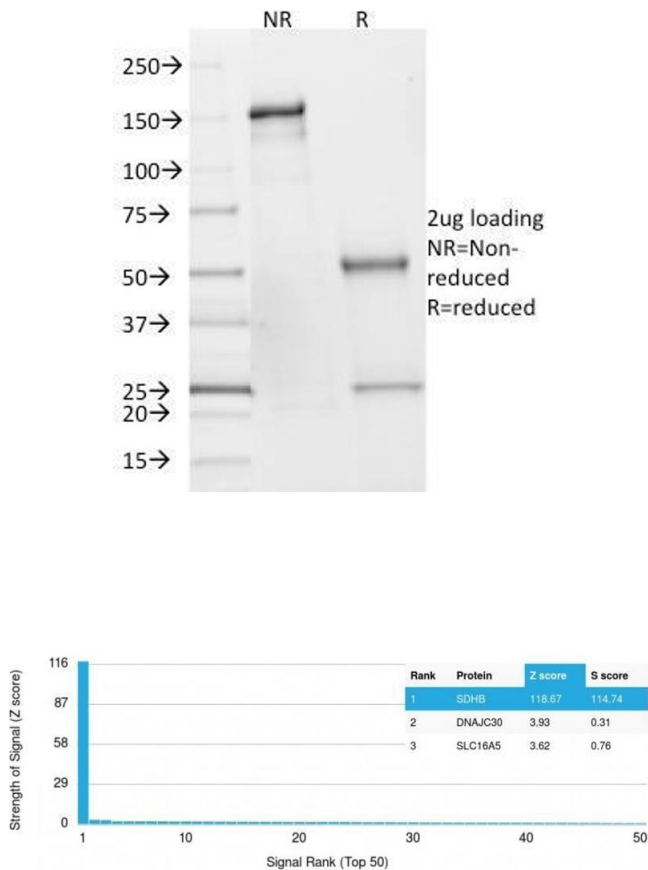
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



**SDS-PAGE**

**Image 1.** SDS-PAGE Analysis of Purified SDHB Mouse Monoclonal Antibody (SDHB/2382). Confirmation of Integrity and Purity of Antibody.

**Protein Array**

**Image 2.** Analysis of Protein Array containing more than 19,000 full-length human proteins using SDHB Mouse Monoclonal Antibody (SDHB/2382). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.