

## SDHB (Succinate Dehydrogenase B) (Pheochromocytoma Marker) Antibody

Mouse Monoclonal Antibody [Clone SDHB/2382]

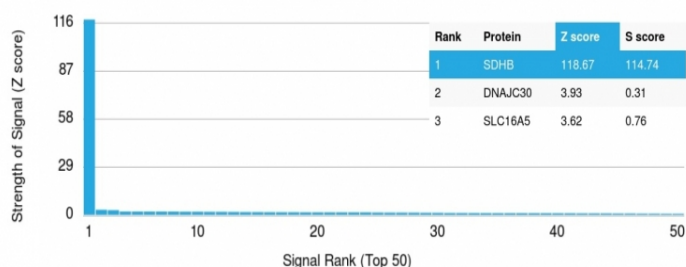
Catalog No	Format	Size
6390-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6390-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6390-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Western Blot (WB)	2-4ug/ml	

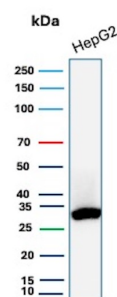
Product Details	
<b>Clone</b>	SDHB/2382
<b>Gene Name</b>	SDHB
<b>Immunogen</b>	Recombinant fragment (around aa 165-273) of human SDHB protein (exact sequence is proprietary)
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG2b / Kappa
<b>Mol. Weight of Antigen</b>	32kDa
<b>Cellular Localization</b>	Mitochondrion inner membrane
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	Jurkat or HepG2 cells. Human kidney or liver.

\*Optimal dilution for a specific application should be determined.

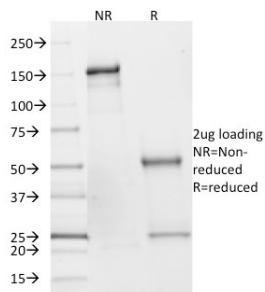
### Product Images for SDHB (Succinate Dehydrogenase B) (Pheochromocytoma Marker) Antibody



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 be 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.



Western blot analysis of HepG2 lysate using SDHB Mouse Monoclonal Antibody (SDHB/2382).



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

### Specificity & Comments

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.

### Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

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.

### Research Areas

Cardiovascular, Colon Cancer, Mitochondria Marker

### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.