SDHB (Succinate Dehydrogenase B) (Pheochromocytoma Marker) Antibody

Mouse Monoclonal Antibody [Clone SDHB/3204]

Catalog No	Format	Size
6390-MSM4-P0	Purified Ab with BSA and Azide	200ug/ml
6390-MSM4-P1	Purified Ab with BSA and Azide	200ug/ml
6390-MSM4-P1ABX	Purified Ab WITHOUT BSA and Azide	1.0mg/ml

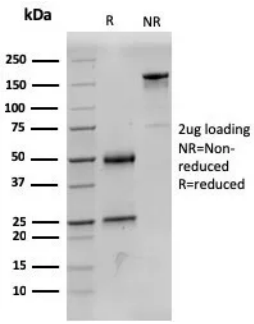
Applications	Tested Dillution
Immunofluorescence (IF)	1-3ug/ml
Immunohistochemistry (IHC)	1-2ug/ml

Product Details

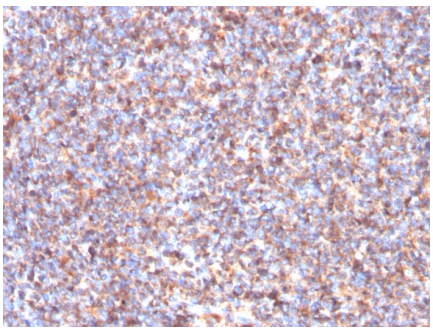
Clone	SDHB/3204
Gene Name	SDHB
Immunogen	Recombinant human SDHB fragment around aa 165-273 (Exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2 / Kappa
Mol. Weight of Antigen	32kDa
Cellular Localization	Cytoplasm. Mitochondria.
Species Reactivity	Human
Positive Control	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



SDS-PAGE Analysis of Purified SDHB Mouse Monoclonal Antibody (SDHB/3204). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human tonsil stained with SDHB Mouse Monoclonal Antibody (SDHB/3204). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

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 phaeochromocytomas, paragangliomas and GIST. ?

Research Areas

Cardiovascular, Colon Cancer, Mitochondria Marker

Known Applications & Suggested Dilutions

Immunofluorescence (1-2ug/ml) | ,Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.

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.

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.