

Mouse SDHB Monoclonal Antibody | anti-SDHB antibody

SDHB, Mmab

CATALOG # AAA59317	HOST Mouse	APPLICATIONS Immunohistochemistry
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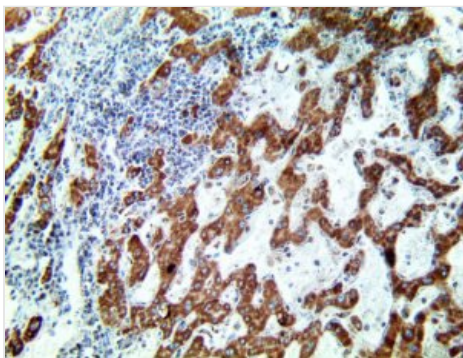
PRODUCT SYNONYMS

SDHB; Monoclonal Antibody; Mmab; anti-SDHB antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1/K
Clone Number	BSB-131
Form/Format	Concentrate or Prediluted
Sequence Length	249
Applicable Applications for anti-SDHB antibody	IHC (Immunohistochemistry)
Immunogen	A Recombinant full length of the human succinate dehydrogenase iron-sulfur protein.
Localization	Cytoplasmic, Membranous
Control	Breast, Adrenal, Prostate, Kidney, Spleen, Tonsil, Breast Carcinoma, Hepatocellular Carcinoma, Lung Adeno Carcinoma, Prostate Carcinoma, Papillary Thyroid Carcinoma
Intended Use	This antibody is intended for use in Immunohistochemical applications on formalinfixxed paraffin-embedded tissues (FFPE), frozen tissue sections and cell preparations. Interpretation of results should be performed by a qualified medical professional.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



IHC (Immunohiostchemistry)

Antibody Type	Dilution	Volume/QTY
Tinto Predilute	Ready-To-Use	3.0 ml
Tinto Predilute	Ready-To-Use	7.0 ml
Tinto Predilute	Ready-To-Use	15.0 ml
Concentrate	1:50-1:200	0.1 ml
Concentrate	1:50-1:200	0.5 ml
Concentrate	1:50-1:200	1.0 ml
Control Slides		5

Dilution Info

ADDITIONAL INFORMATION

Related Product Information for anti-SDHB antibody	Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial (SDHB) also known as iron-sulfur subunit of complex II (I_p) is a protein that in humans is encoded by the SDHB gene. The gene that codes for the SDHB protein is nuclear, not mitochondrial DNA. However, the expressed protein is located in the inner membrane of the mitochondria. 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. Mutation in this protein is associated with wide range of diseases such as Renal Cell Carcinoma, Paranglioma, Gastrointestinal Stromal Tumors (GISTs), Pituitary Adenoma, and many others. Mutations in the tumor suppressor genes SDHB, SDHC, and SDHD (or collectively SDHx) cause the inherited paraganglioma syndromes, characterized by pheochromocytomas and paragangliomas. The IHC for SDHB is negative in all SDH mutated paragangliomas regardless of whether the B, C or D subunit is involved. However, other tumors have been associated with SDHx mutations, such as Gastrointestinal Stromal Tumors, specifically in the context of Carney-Stratakis syndrome. It has been shown that SDHB immunohistochemistry is a reliable technique for the identification of pheochromocytomas and paragangliomas caused by SDHx mutations. It's been shown that Carney-Stratakis syndrome- and Carney-triad-associated GISTs are negative by immunohistochemistry for SDHB in contrast to KIT- or PDGFRA-mutated GISTs and a majority of sporadic GISTs, and it has been suggested that GISTs of epithelioid cell morphology are tested for SDHB immunohistochemically.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1430615472
NCBI Official Full Name	SdhB (mitochondrion)

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/sdhb-antibody-clone-bsb-131-immunohistochemistry-elisa/59317>