Rabbit SDHB Monoclonal Antibody | anti-SDHB antibody

Anti-SDHB Rabbit Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA47021	**Rabbit**	**Human, Mouse, Rat**	**Western Blot, Immunohistochemistry, Immunoprecipitation, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

SDHB; Monoclonal Antibody; Anti-SDHB Rabbit Monoclonal Antibody; Succinate dehydrogenase [ubiquinone] iron-sulfur subunit; mitochondrial; 1.3.5.1; Iron-sulfur subunit of complex II; Ip; SDH; SDH1; anti-SDHB antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	ABDF-19
Purity/Purification	Affinity-chromatography
Form/Format	Liquid
Sequence Length	280
Applicable Applications for anti-SDHB antibody	WB (Western Blot), IHC (Immunohistochemistry), IP (Immunoprecipitation), FCM/FACS (Flow Cytometry)
Immunogen	A synthesized peptide derived from human SDHB
Subcellular Localization	Mitochondrion inner membrane; Peripheral membrane protein; Matrix side.
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Conjugate	|No
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES

WB (Western Blot)
Western blot analysis of SDHB expression in A431 cell lysate (AAA47021).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-SDHB monoclonal antibody overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for SDHB

ADDITIONAL INFORMATION

Related Product Information for anti-SDHB antibody	Iron-sulfur protein (IP) subunit of succinate dehydrogenase (SDH) that is involved in complex II of the mitochondrial electron transport chain and is responsible for transferring electrons from succinate to ubiquinone (coenzyme Q).
Product Categories/Family for anti-SDHB antibody	Signal Transduction; Metabolism; Mitochondrial; Cell Biology; Other Antibodies; Oxidative Atress; Cancer; Cancer Metabolism; Metabolic Signaling Pathway; Metabolism of Carbohydrates; Metabolism; Pathways and Processes; Mitochondrial Metabolism; Mitochondr

NCBI AND UNIPROT INFORMATION

NCBI GI #	115387094
NCBI GeneID	6390
NCBI Accession #	NP_002991.2
NCBI GenBank Nucleotide #	NM_003000.2
UniProt Accession #	P21912; Q0QEY7; Q9NQ12; B2R545
Molecular Weight	31630 MW
NCBI Official Full Name	succinate dehydrogenase
NCBI Official Synonym Full Names	succinate dehydrogenase complex iron sulfur subunit B
NCBI Official Symbol	SDHB
NCBI Official Synonym Symbols	IP; SDH; CWS2; PGL4; SDH1; SDH2; SDHIP
NCBI Protein Information	succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial
UniProt Protein Name	Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial
UniProt Gene Name	**SDHB**
UniProt Synonym Gene Names	SDH; SDH1; Ip

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-abdf-19-western-blot-immunohistochemistry-immunoprecipitation-flow-cytometry-elisa/47021