SDHB Rabbit mAb

Catalog No: #49716

Package Size: #49716-1 50ul #49716-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

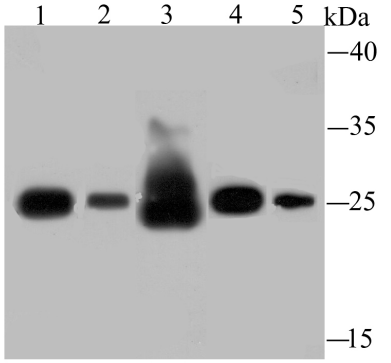
Description

Product Name	SDHB Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JU02-33
Purification	ProA affinity purified
Applications	WB,IHC,FC,IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Other Names	CWS2 antibody DHSB_HUMAN antibody FLJ92337 antibody Ip antibody Iron sulfur subunit antibody Iron sulfur subunit of complex II antibody Iron-sulfur subunit of complex II antibody mitochondrial antibody PGL 4 antibody PGL4 antibody SDH 1 antibody SDH antibody SDH1 antibody SDH2 antibody SDH2, homolog of antibody SdhB antibody SDHIP antibody Succinate dehydrogenase [ubiquinone] iron sulfur protein mitochondrial antibody Succinate dehydrogenase [ubiquinone] iron sulfur subunit antibody Succinate dehydrogenase [ubiquinone] iron-sulfur subunit antibody succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial antibody Succinate Dehydrogenase 1 Iron Sulfur Subunit antibody Succinate Dehydrogenase 2, S. cerevisiae, homolog of antibody Succinate dehydrogenase complex iron sulfur subunit B antibody Succinate dehydrogenase complex subunit B iron sulfur antibody Succinate Dehydrogenase Complex Subunit B Iron Sulfur Protein antibody succinate dehydrogenase complex, subunit B, iron sulfur (Ip) antibody Succinate dehydrogenase iron sulfur protein antibody
Accession No.	Swiss-Prot#:P21912
Uniprot	P21912
GeneID	6390;
Calculated MW	32 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

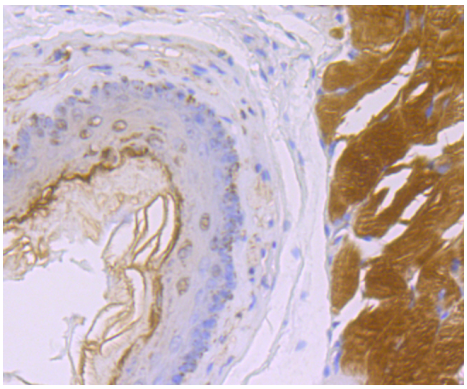
Application Details

WB: 1:500-1:2,000IHC: 1:50-1:200IP: 1:10-1:50FC: 1:50-1:100

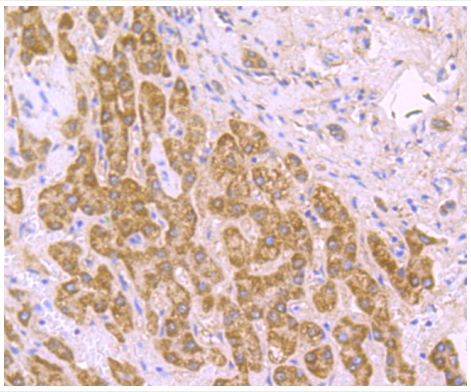
Images



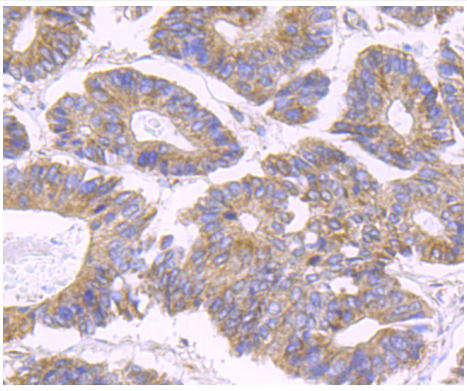
Western blot analysis of SDHB on different lysates using anti-SDHB antibody at 1/500 dilution.
Positive control:
Lane 1: Human liver
Lane 2: Rat spleen
Lane 3: Rat liver
Lane 4: Mouse spleen
Lane 5: HepG2



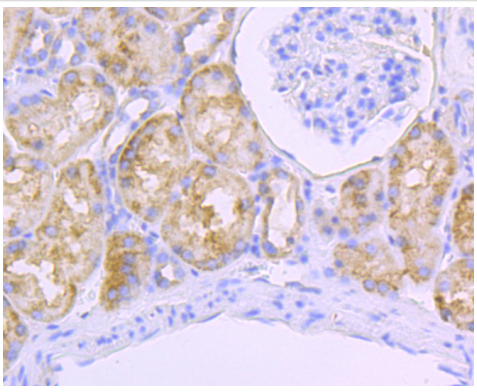
Immunohistochemical analysis of paraffin-embedded rat esophagus tissue using anti-SDHB antibody. Counter stained with hematoxylin.



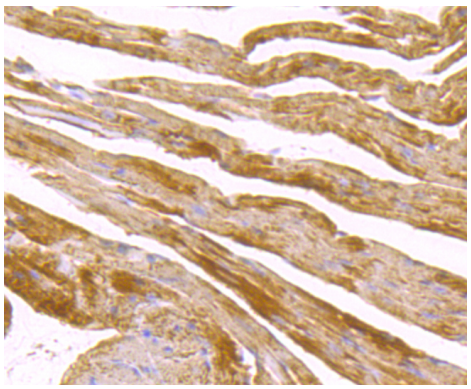
Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-SDHB antibody. Counter stained with hematoxylin.



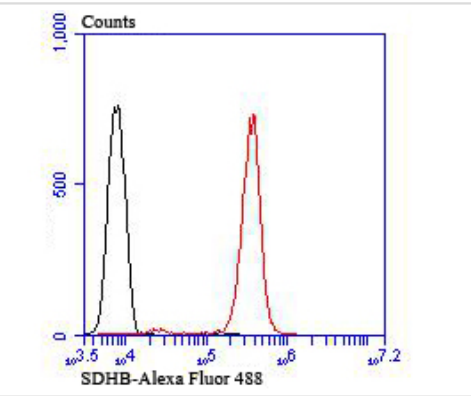
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-SDHB antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-SDHB antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue using anti-SDHB antibody. Counter stained with hematoxylin.



Flow cytometric analysis of Jurkat cells with SDHB antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor® 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

Background

In aerobic respiration reactions, succinate dehydrogenase (SDH) catalyzes the oxidation of succinate and ubiquinone to fumarate and ubiquinol. 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. Mutations to these subunits cause mitochondrial dysfunction, corresponding to several distinct disorders. Mutations in the membrane bound components may cause hereditary paraganglioma, while SDHA mutations associate with juvenile encephalopathy as well as Leigh syndrome, a severe neurological disorder. Inactivating mutations in SDHB correlate with inherited, but not necessarily sporadic, cases of pheochromocytoma.

References

Note: This product is for in vitro research use only