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Datasheet for ABIN3032764
anti-SDHB antibody (AA 42-59)

3 Images

Overview

Quantity:	100 µg
Target:	SDHB
Binding Specificity:	AA 42-59
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SDHB antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Amino acids 42-59 (FAIYRWDPDKAGDKPHMQ-human) were used as the immunogen for this SDHB antibody.
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	SDHB
Alternative Name:	SDHB (SDHB Products)
Background:	Succinate Dehydrogenase Complex, Subunit B, iron sulfur protein is a protein that in humans is encoded by the SDHB gene. It is one of four protein subunits forming succinate dehydrogenase, the other three being SDHA, SDHC and SDHD. The SDHB subunit is connected to the SDHA

Target Details

subunit on the hydrophilic, catalytic end of the SDH complex. The entire SDHB transcript is encoded by 8 exons within approximately 40 kb by Au et al(1995). Pollard et al.(2005) stated that the nuclear-encoded Krebs cycle enzymes fumarate hydratase and succinate dehydrogenases like SDHB act as tumor suppressors, and germline mutations in these genes predispose individuals to leiomyomas and renal cancer and to paragangliomas, respectively. In affected members of families with paragangliomas-4, mutations were identified in the SDHB gene.

UniProt: [P21912](#)

Application Details

Application Notes: The stated application concentrations are suggested starting amounts. Titration of the SDHB antibody may be required due to differences in protocols and secondary/substrate sensitivity.\.
Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL

Restrictions: For Research Use only

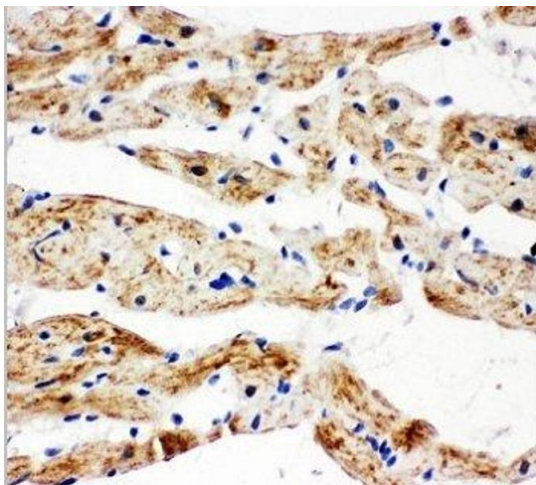
Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

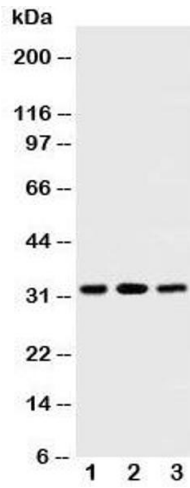
Storage Comment: After reconstitution, the SDHB antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



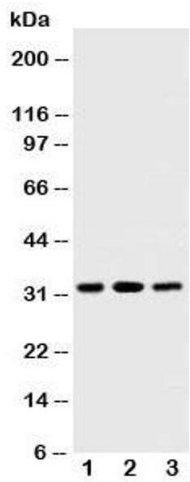
Immunohistochemistry

Image 1. IHC-P: SDHB antibody testing of rat heart tissue



Western Blotting

Image 2. Western blot testing of SDHB antibody and Lane 1: rat testis; 2: rat heart; 3: Jurkat cell lysate. Predicted size ~32KD



Western Blotting

Image 3. Western blot testing of SDHB antibody and Lane 1: rat testis