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Datasheet for ABIN2783181 anti-SDHB antibody (Middle Region)

5 Images

1 Publication



Overview

Quantity:	100 μL
Target:	SDHB
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio), Guinea Pig, Horse, Rabbit, Cow, Dog, Goat, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SDHB antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human SDHB
Sequence:	YRWMIDSRDD FTEERLAKLQ DPFSLYRCHT IMNCTRTCPK GLNPGKAIAE
Predicted Reactivity:	Cow: 100%, Dog: 100%, Goat: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Yeast: 79%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against SDHB. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified
Purification: Target Details	Affinity Purified

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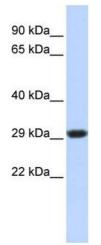
Target Details	
Alternative Name:	SDHB (SDHB Products)
Background:	Complex II of the respiratory chain, which is specifically involved in the oxidation of succinate,
	carries electrons from FADH to CoQ. The complex is composed of four nuclear-encoded
	subunits and is localized in the mitochondrial inner membrane. The iron-sulfur subunit is highly
	conserved and contains three cysteine-rich clusters which may comprise the iron-sulfur centers
	of the enzyme. Sporadic and familial mutations in this gene result in paragangliomas and
	pheochromocytoma, and support a link between mitochondrial dysfunction and
	tumorigenesis.Complex II of the respiratory chain, which is specifically involved in the oxidation
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	is highly conserved and contains three cysteine-rich clusters which may comprise the iron-
	sulfur centers of the enzyme. Sporadic and familial mutations in this gene result in
	paragangliomas and pheochromocytoma, and support a link between mitochondrial
	dysfunction and tumorigenesis. Publication Note: This RefSeq record includes a subset of the
	publications that are available for this gene. Please see the Entrez Gene record to access
	additional publications.
	Alias Symbols: IP, PGL4, SDH, SDH1, SDHIP, SDH2
	Protein Interaction Partner: UBC, XRN1, ITGA4, TP53BP1, HNRNPUL2, PIGS, TIMM50, MRPL45,
	SLC25A22, MRPL40, MRPS5, IWS1, MRPS10, MRPL20, OCIAD1, TOMM7, NDUFB11, LAMTOR2,
	TMED2, TOMM40, RBM14, IQGAP1, UQCRFS1, SSBP1, SDHA, OXA1L, NDUFV2, NDUFS1,
	NDUFB9, NDUFB6, NDUFA10, NDUFA9, GSN, ATP
	Protein Size: 280
Molecular Weight:	31 kDa
Gene ID:	6390
NCBI Accession:	NM_003000, NP_002991
UniProt:	P21912
Application Details	
Application Notos:	Optimal working dilutions should be determined experimentally by the investigator

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 280 AA
Restrictions:	For Research Use only

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Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 $\%$ (w/v) sodium azide and 2 $\%$ sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Publications	
Product cited in:	Hamada, Tashiro, Tada, Inazawa, Shirozu, Shibahara, Nakamura, Martina, Nakano, Honjo: " Isolation and characterization of a novel secretory protein, stromal cell-derived factor-2 (SDF-2) using the signal sequence trap method." in: Gene , Vol. 176, Issue 1-2, pp. 211-4, (1997) (<u>PubMed</u>).

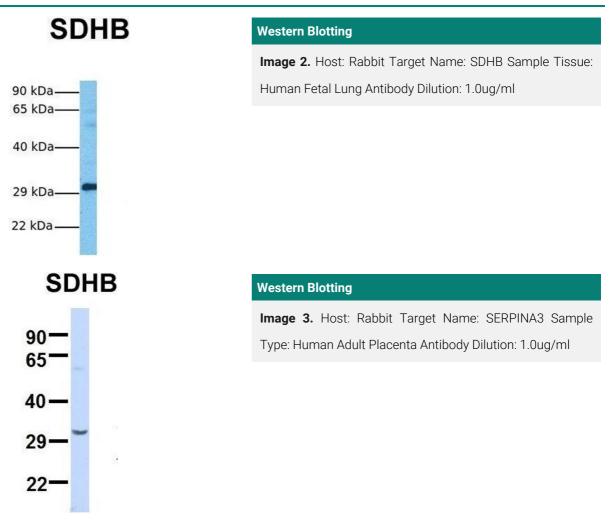
Images



Western Blotting

Image 1. WB Suggested Anti-SDHB Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Jurkat cell lysate SDHB is supported by BioGPS gene expression data to be expressed in Jurkat

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Please check the product details page for more images. Overall 5 images are available for ABIN2783181.