Rabbit anti-Human SDHD Polyclonal Antibody | anti-SDHD antibody

SDHD Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286343	**Rabbit**	**Human**	**Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, ELISA, Western Blot**

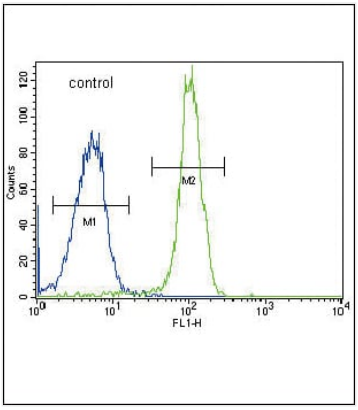
PRODUCT SYNONYMS

SDHD; Polyclonal Antibody; SDHD Antibody (N-term); Succinate dehydrogenase [ubiquinone] cytochrome b small subunit; mitochondrial; CybS; CII-4; QPs3; Succinate dehydrogenase complex subunit D; Succinate-ubiquinone oxidoreductase cytochrome b small subunit; Succinate-ubiquinone reductase membrane anchor subunit; SDH4; anti-SDHD antibody

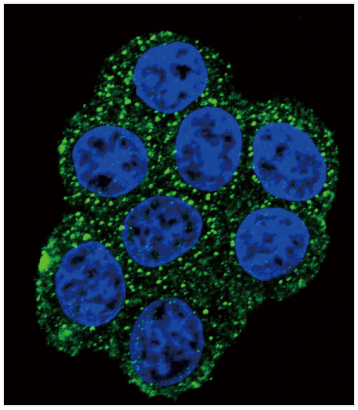
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SDHD antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 13-42 amino acids from the N-terminal region of human SDHD.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.36 (varies by lot)
Sequence Positions	13-42
Sequence Length	85
Applicable Applications for anti-SDHD antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

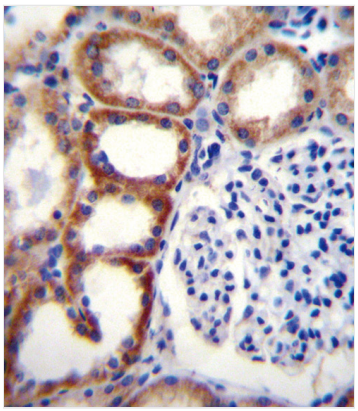
IMAGES



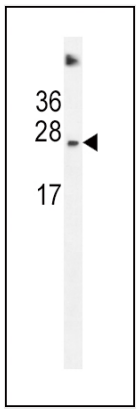
FCM/FACS (Flow Cytometry)
SDHD Antibody (N-term) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IF (Immunofluorescence)
Confocal immunofluorescent analysis of SDHD Antibody (N-term) with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohiostchemistry)
SDHD Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of SDHD Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
SDHD Antibody (N-term) western blot analysis in Hela cell line lysates (35ug/lane).This demonstrates the SDHD antibody detected the SDHD protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-SDHD antibody	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 subunit D protein is one of two integral membrane proteins anchoring the complex to the matrix side of the membrane. Mutations in SDHD have been linked to hereditary paraganglioma.
Product Categories/Family for anti-SDHD antibody	Cancer; Metabolism; Signal Transduction
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Gill, A.J., et al. Hum. Pathol. 41(6):805-814(2010) Milosevic, D., et al. Clin. Biochem. 43 (7-8), 700-704 (2010) : Hermsen, M.A., et al. Cell. Oncol. 32(4):275-283(2010) Krawczyk, A., et al. Endokrynol Pol 61(1):43-48(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	452405465

NCBI GeneID	6392
NCBI Accession #	NP_001263432.1; NP_001263433.1; NP_001263435.1; NP_002993.1
NCBI GenBank Nucleotide #	NM_001276503.1
UniProt Accession #	O14521; Q53XW5; Q6IRW2; A6ND90; B3KQQ8; E9PIC0; E9PIG3; E9PQI9
Molecular Weight	17043
NCBI Official Full Name	succinate dehydrogenase
NCBI Official Synonym Full Names	succinate dehydrogenase complex, subunit D, integral membrane protein
NCBI Official Symbol	SDHD
NCBI Official Synonym Symbols	PGL; CBT1; CWS3; PGL1; QPs3; SDH4; cybS; CII-4
NCBI Protein Information	succinate dehydrogenase [ubiquinone] cytochrome b small subunit, mitochondrial
UniProt Protein Name	Succinate dehydrogenase [ubiquinone] cytochrome b small subunit, mitochondrial
UniProt Gene Name	**SDHD**
UniProt Synonym Gene Names	SDH4; CybS
UniProt Entry Name	DHSD_HUMAN

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://www.aaabiotech.com/polyclonal/sdhd-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/286343