antibodies -online.com





anti-SDHD antibody (N-Term)



Alternative Name:



Go to Product page

Overview	
Quantity:	0.4 mL
Target:	SDHD
Binding Specificity:	AA 20-50, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SDHD antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)
Product Details	
Immunogen:	KLH conjugated synthetic peptide between 20-50 amino acids from the N-terminal region of Human SDHD (NP_002993.1)
Isotype:	lg Fraction
Specificity:	Recognizes SDHD (N-term).
Purification:	Protein A column followed by peptide Affinity purification
Target Details	
Target:	SDHD

SDHD (SDHD Products)

Target Details

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 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. Synonyms: CII-4, CybS, QPs3,

SDH4, Succinate dehydrogenase [ubiquinone] cytochrome b small subunit mitochondrial,

Succinate dehydrogenase complex subunit D, Succinate-ubiquinone oxidoreductase

cytochrome b small subunit, Succinate-ubiquinone reductase membrane anchor subunit

Gene ID: 6392

NCBI Accession: NP_002993

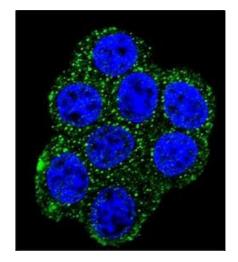
Application Details

Application Notes: Optimal working dilution should be determined by the investigator.	Application Notes:	Optimal working dilution should be determined by the investigator.
---	--------------------	--

Restrictions: For Research Use only

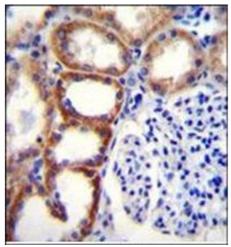
Handling

· · · · · · · · · · · · · · · · · · ·		
Format:	Liquid	
Concentration:	0.25 mg/mL	
Buffer:	PBS with 0.09 % (W/V) Sodium Azide as preservative	
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 freezing and thawing.	
Storage:	4 °C/-20 °C	
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.	



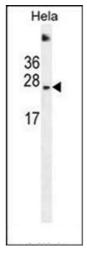
Immunofluorescence

Image 1. Confocal Immunofluorescent analysis of SDHD Antibody (N-term) Cat.-No AP53823PU-N with Hela cell followed by Alexa Fluor 488-conjugated Goat anti-Rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry analysis in Formalin Fixed, Paraffin Embedded Human kidney tissue stained with SDHD Antibody (N-term) 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.



Western Blotting

Image 3. Western blot analysis of SDHD Antibody (N-term) Cat.-No AP53823PU-N in Hela cell line lysates (35ug/lane). This demonstrates the SDHD antibody detected the SDHD protein (arrow).