

Product Name: KD-Validated SDHC Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00952**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 18.6kDa

Antigen Information

Gene Name	SDHC
Alternative Names	Succinate Dehydrogenase Complex Subunit C; CYB560; CybL; Succinate Dehydrogenase Complex, Subunit C, Integral Membrane Protein, 15kD; Succinate Dehydrogenase Cytochrome B560 Subunit, Mitochondrial; Succinate-Ubiquinone Oxidoreductase Cytochrome B Large Subunit; Succinate Dehydrogenase Cytochrome B; Large Subunit Of Cytochrome B; PGL3; SDH3; Succinate Dehydrogenase Complex, Subunit C, Integral Membrane Protein, 15kDa; Succinate Dehydrogenase Complex Subunit C Integral Membrane Protein 15kDa; Succinate Dehydrogenase 3, Integral Membrane Subunit; Succinate Dehydrogenase Cytochrome B560 Subunit; Cytochrome B Large Subunit Of Complex II; Integral Membrane Protein CII-3b; Integral Membrane Protein CII-3; PPGL3; QPs-1; QPS1; QPs1; CYBL

Gene ID	6391.0
SwissProt ID	Q99643
Immunogen	A synthesized peptide derived from human SDHC

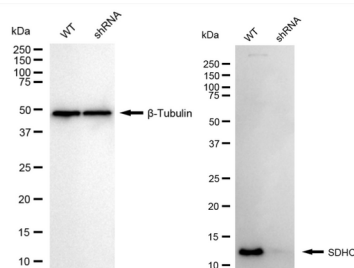
Background

This gene encodes one of four nuclear-encoded subunits that comprise succinate dehydrogenase, also known as mitochondrial complex II, a key enzyme complex of the tricarboxylic acid cycle and aerobic respiratory chains of mitochondria. The encoded protein is one of two integral membrane proteins that anchor other subunits of the complex, which form the catalytic core, to the inner mitochondrial membrane. There are several related pseudogenes for this gene on different chromosomes. Mutations in this gene have been associated with paragangliomas. Alternatively spliced transcript variants have been described. [provided by RefSeq, May 2013]

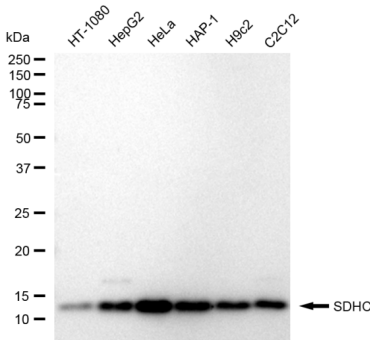
Research Area

Tags & Cell Markers, Signal Transduction, Epigenetics and Nuclear Signaling, Cell Biology, Developmental Biology, Metabolism

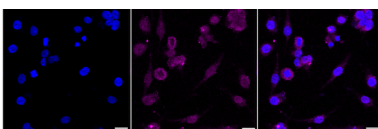
Image Data



Western blotting analysis using SDHC antibody (KVA00952). SDHC expression in wild type (WT) and SDHC shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with SDHC antibody (KVA00952, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using SDHC antibody (KVA00952). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with SDHC antibody (KVA00952, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells with SDHC antibody (KVA00952, 1:1,000). Nuclei were stained blue with DAPI; SDHC was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Low. Scale bar: 20 µm.