

Product Name: KD-Validated SDHA Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01669**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
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; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 72.7kDa

Antigen Information

Gene Name	SDHA
Alternative Names	SDHA; Succinate Dehydrogenase Complex Flavoprotein Subunit A; SDHF; Flavoprotein Subunit Of Complex II; SDH2; FP; Succinate Dehydrogenase [Ubiquinone] Flavoprotein Subunit, Mitochondria; Succinate Dehydrogenase Complex, Subunit A, Flavoprotein (Fp); Succinate Dehydrogenase Complex Subunit A, Flavoprotein (Fp); Succinate Dehydrogenase [Ubiquinone] Flavoprotein Subunit; EC 1.3.5.1; CMD1GG; MC2DN1; NDAXOA; PGL5; SDH1; Fp
Gene ID	6389.0
SwissProt ID	P31040
Immunogen	A synthesized peptide derived from human SDHA

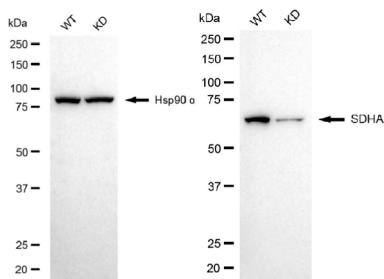
Background

This gene encodes a major catalytic subunit of succinate-ubiquinone oxidoreductase, a complex of the mitochondrial respiratory chain. The complex is composed of four nuclear-encoded subunits and is localized in the mitochondrial inner membrane. Mutations in this gene have been associated with a form of mitochondrial respiratory chain deficiency known as Leigh Syndrome. A pseudogene has been identified on chromosome 3q29. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2014]

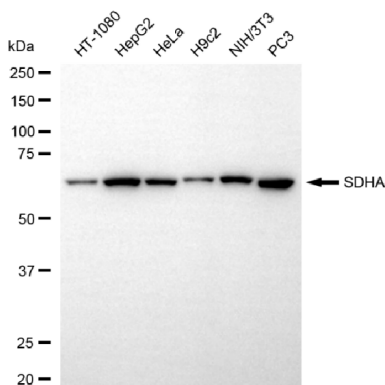
Research Area

Tags & Cell Markers, Signal Transduction, Cell Biology, Cancer, Metabolism

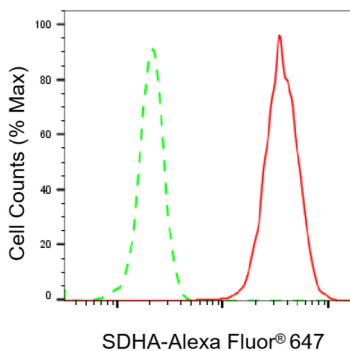
Image Data



Western blotting analysis using SDHA antibody (KVA01669). SDHA expression in wild-type (WT) and SDHA knockdown (KD) 293T cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with SDHA antibody (KVA01669, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using SDHA antibody (KVA01669). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with SDHA antibody (KVA01669, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Flow cytometric analysis of SDHA expression in HepG2 cells using SDHA antibody (KVA01669, 1:2,000). Green, isotype control; red, SDHA.