
Product Name: SDHA Mouse Monoclonal Antibody**Catalog #: AMM82854**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ICC,ELISA,FC
Reactivity	Human, Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2a
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	72.7KDa

Antigen Information

Gene Name	SDHA
Alternative Names	FP; PGL5; SDH1; SDH2; SDHF; CMD1GG; MC2DN1; NDAXOA
Gene ID	6389.0
SwissProt ID	P31040
Immunogen	Purified recombinant fragment of human SDHA (AA: 516-665) expressed in E. Coli.

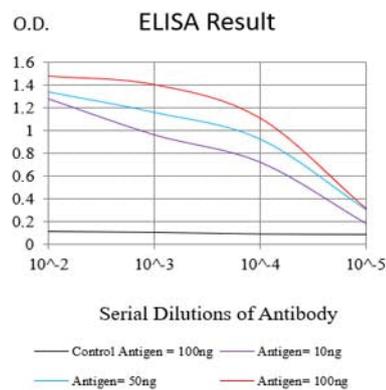
Background

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

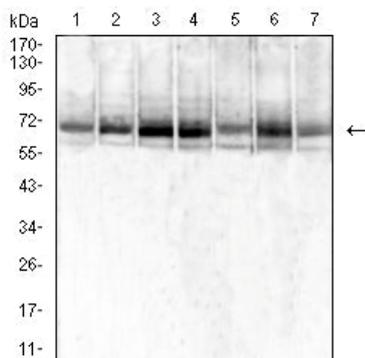
Leigh Syndrome. A pseudogene has been identified on chromosome 3q29. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Research Area

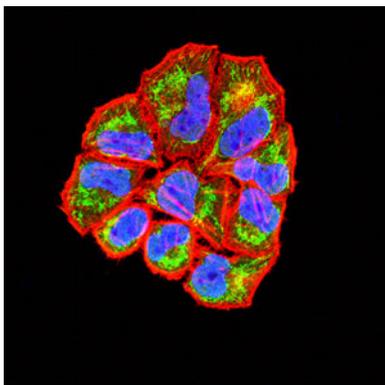
Image Data



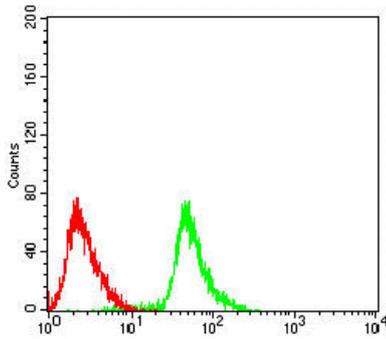
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



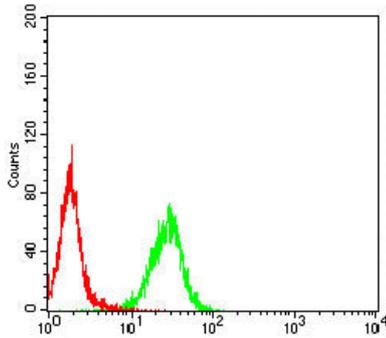
Western blot analysis using SDHA mouse mAb against Jurkat (1), MCF-7 (2), HeLa (3), HepG2 (4), PC-3 (5), .HL-60 (6),and NIH/3T3 (7) cell lysate.



Immunofluorescence analysis of HeLa cells using SDHA mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



Flow cytometric analysis of Raji cells using SDHA mouse mAb (green) and negative control (red).



Flow cytometric analysis of THP-1 cells using SDHA mouse mAb (green) and negative control (red).