

SDHA Rabbit mAb

Catalog No.: A29134 **Recombinant**

Basic Information

Observed MW

70 kDa

Calculated MW

56 kDa/67 kDa/73 kDa

Category

Primary antibody

Applications

WB,IP,IF/ICC,IF-F,IHC-P,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC3992

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.

Recommended Dilutions

WB 1:5000 - 1:30000**IP** 0.5 µg - 4 µg antibody for
200 µg - 400 µg extracts
of whole cells**IF/ICC** 1:500 - 1:2000**IF-F** 1:500 - 1:2000**IHC-P** 1:1400 - 1:7000**ELISA** Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on
your specific assay
requirements. For high-
ratio antibody dilutions
(≥1:10000) a sequential
dilution method is
strongly recommended
to ensure measurement
accuracy.

Immunogen Information

Gene ID

6389

Swiss Prot

P31040

Immunogen

This information is considered to be commercially sensitive.

Synonyms

FP; PGL5; SDH1; SDH2; SDHF; PPGL5; CMD1GG; MC2DN1; NDAXOA

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

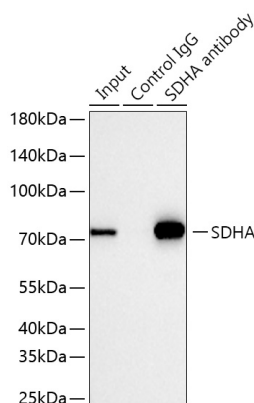
Contact

☎ | 400-999-6126

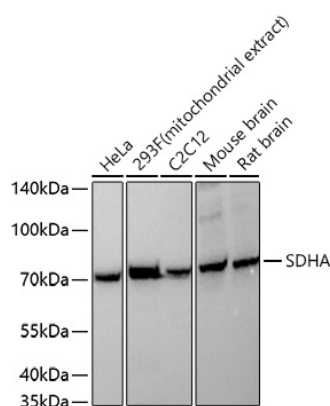
✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Validation Data



Immunoprecipitation of SDHA from 300 µg extracts of HeLa cells was performed using 0.5 µg of SDHA Rabbit mAb (A29134). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using SDHA Rabbit mAb (A29134) at a dilution of 1:20000.



Western blot analysis of various lysates using SDHA Rabbit mAb (A29134) at 1:10000 dilution incubated overnight at 4°C.

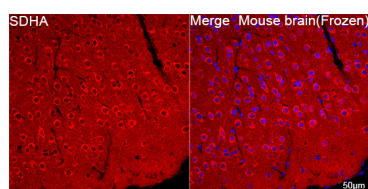
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

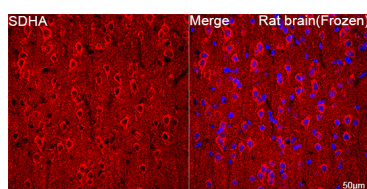
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

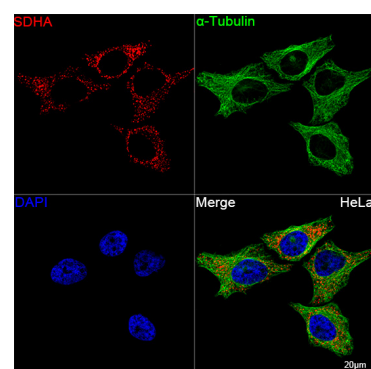
Exposure time: 1 s.



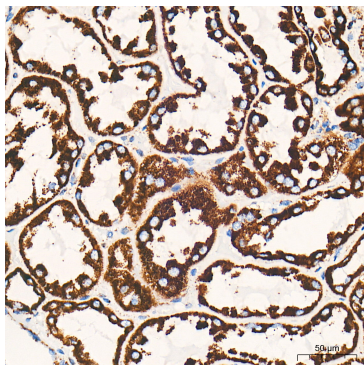
Confocal imaging of frozen sections of Mouse brain tissue using SDHA Rabbit mAb (A29134, dilution 1:600) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



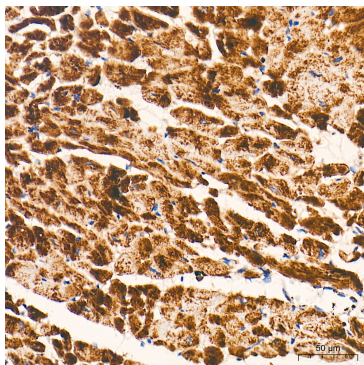
Confocal imaging of frozen sections of Rat brain tissue using SDHA Rabbit mAb (A29134, dilution 1:600) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



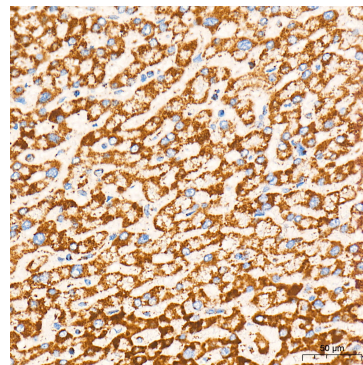
Confocal imaging of HeLa cells using SDHA Rabbit mAb (A29134, dilution 1:600) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



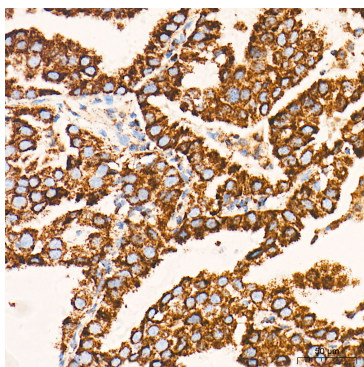
Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using SDHA Rabbit mAb (A29134) at a dilution of 1:1400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



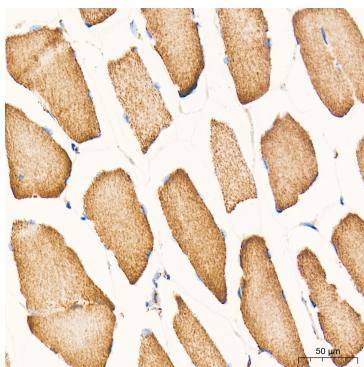
Immunohistochemistry analysis of paraffin-embedded Human heart tissue using SDHA Rabbit mAb (A29134) at a dilution of 1:1400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



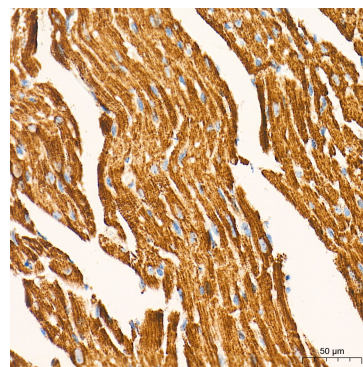
Immunohistochemistry analysis of paraffin-embedded Human liver tissue using SDHA Rabbit mAb (A29134) at a dilution of 1:1400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



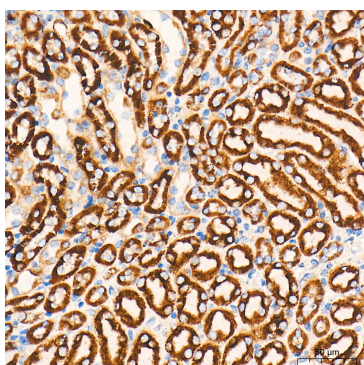
Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue using SDHA Rabbit mAb (A29134) at a dilution of 1:1400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



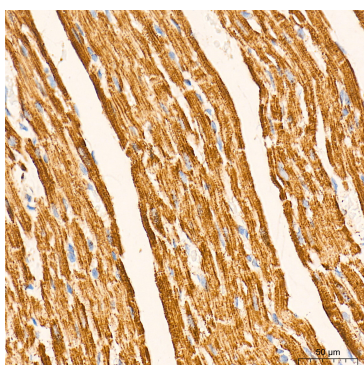
Immunohistochemistry analysis of paraffin-embedded Human skeletal muscle tissue using SDHA Rabbit mAb (A29134) at a dilution of 1:1400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



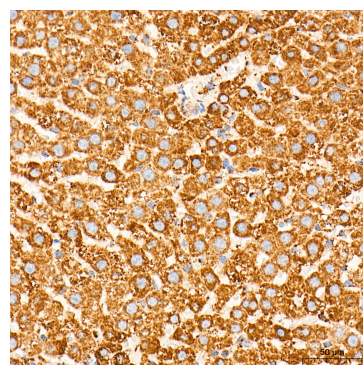
Immunohistochemistry analysis of paraffin-embedded Mouse heart tissue using SDHA Rabbit mAb (A29134) at a dilution of 1:1400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using SDHA Rabbit mAb (A29134) at a dilution of 1:1400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

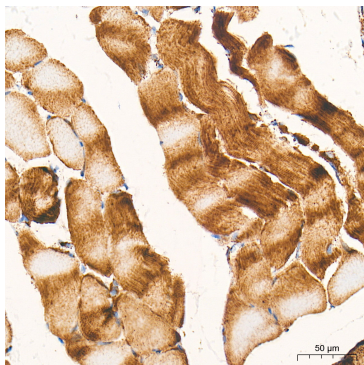


Immunohistochemistry analysis of paraffin-embedded Rat heart tissue using SDHA Rabbit mAb (A29134) at a dilution of 1:1400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat liver tissue using SDHA Rabbit mAb (A29134) at a dilution of 1:1400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Rat skeletal muscle tissue using SDHA Rabbit mAb (A29134) at a dilution of 1:1400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.