

## Rabbit anti-Human SDHA Monoclonal Antibody | anti-SDHA antibody

SDHA Rabbit mAb

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                 |
|-----------|--------|------------|--------------------------------------------------------------|
| AAA282641 | Rabbit | Human      | ELISA, Immunocytochemistry, Immunofluorescence, Western Blot |

### PRODUCT SYNONYMS

SDHA; Monoclonal Antibody; SDHA Rabbit mAb; FP; PGL5; SDH1; SDH2; SDHF; CMD1GG; MC2DN1; NDAXOA; anti-SDHA antibody

### PRODUCT SPECIFICATIONS

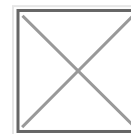
|                                                |                                                                                                                |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                         |
| Reactivity                                     | Human                                                                                                          |
| Clonality                                      | Monoclonal                                                                                                     |
| Isotype                                        | IgG                                                                                                            |
| Purity/Purification                            | Affinity purification                                                                                          |
| Form/Format                                    | PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.                                                   |
| Sequence                                       | KTFDRGMVWN TDLVETLELQ NLMLCALQTI YGAEARKESR GAHAREDYKV RIDEYDYSKP IQGQQKKPFEEHWRKHTLSY VDVGTGKVTL EYRPVIDKTL N |
| Applicable Applications for anti-SDHA antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                                   |
| Cross Reactivity                               | Human, Mouse, Rat                                                                                              |
| Immunogen                                      | A synthetic peptide corresponding to a sequence within amino acids 550-650 of human SDHA (P31040).             |
| Preparation and Storage                        | Store at -20 degree C. Avoid freeze/thaw cycles.                                                               |

### IMAGES



#### ICC (Immunocytochemistry)

Confocal imaging of HeLa cells using SDHA Rabbit mAb (AAA282641, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with  $\alpha$ -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.



#### ICC (Immunocytochemistry)

Confocal imaging of paraffin-embedded Human colon cancer tissue using SDHA Rabbit mAb (AAA282641, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



#### WB (Western Blot)

Western blot analysis of various lysates using SDHA Rabbit mAb (AAA282641) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SDHA antibody | 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. |
| Product Categories/Family for anti-SDHA antibody   | Cancer; Signal Transduction; Cell Biology Developmental Biology; Endocrine Metabolism; Mitochondrial metabolism; Mitochondrial markers; Oxidative phosphorylation; Neuroscience; Neurodegenerative Diseases; Antibodies                                                                                                                                                                                                                                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                            |                                                                          |
|----------------------------|--------------------------------------------------------------------------|
| NCBI GI #                  | 1169337                                                                  |
| NCBI GeneID                | 6389                                                                     |
| UniProt Accession #        | P31040; Q16395; Q59GW8; Q8IW48; Q9UMY5; A8K5J6; B4DJ60; E9PBJ5           |
| Molecular Weight           | Calculated MW: 73kDa<br>Observed MW: 70kDa                               |
| UniProt Protein Name       | Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial |
| UniProt Gene Name          | SDHA                                                                     |
| UniProt Synonym Gene Names | SDH2; SDHF; Fp                                                           |
| UniProt Entry Name         | SDHA_HUMAN                                                               |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/sdha-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/282641>