

SDHA Antibody

Rabbit mAb Catalog # AP91182

Product Information

Application WB, IHC, IF, FC, ICC, IP, IHF

Primary Accession <u>P31040</u>

Reactivity Rat, Human, Mouse

Clonality Monoclonal

Other Names PGL5; SDH1; SDH2; SDHA; SDHF;

IsotypeRabbit IgGHostRabbitCalculated MW72692

Additional Information

Dilution WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:20 FC 1:20

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human SDHA

Description Flavoprotein (FP) subunit of succinate dehydrogenase (SDH) that is involved in

complex II of the mitochondrial electron transport chain and is responsible

for transferring electrons from succinate to ubiquinone.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium

azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term.

Avoid freeze / thaw cycle.

Protein Information

Name SDHA

Synonyms SDH2, SDHF

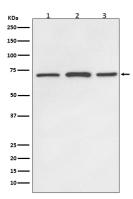
Function Flavoprotein (FP) subunit of succinate dehydrogenase (SDH) that is involved

in complex II of the mitochondrial electron transport chain and is responsible for transferring electrons from succinate to ubiquinone (coenzyme Q) (PubMed:10746566, PubMed:24781757). SDH also oxidizes malate to the non-canonical enol form of oxaloacetate, enol- oxaloacetate (By similarity). Enol-oxaloacetate, which is a potent inhibitor of the succinate dehydrogenase activity, is further isomerized into keto-oxaloacetate (By similarity). Can act as

a tumor suppressor (PubMed: 20484225).

Cellular Location Mitochondrion inner membrane; Peripheral membrane protein; Matrix side

Images



Western blot analysis of SDHA expression in (1) HeLa cell lysate; (2) Mouse brain lysate; (3) Rat brain lysate;

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.