

Mouse Succinate dehydrogenase cytochrome b560 subunit, mitochondrial (SDHC) ELISA Kit



Catalog No: #EK7416

Orders: order@signalwayantibody.com

Package Size: #EK7416-1 48T #EK7416-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Mouse Succinate dehydrogenase cytochrome b560 subunit, mitochondrial (SDHC) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	CYB560; CYBL; PGL3; QPS1; SDH3; cytochrome B large subunit of complex II integral membrane protein CII-3 integral membrane protein CII-3b succinate dehydrogenase complex; subunit C succinate dehydro
Accession No.	Q9CZB0
Uniprot	Q9CZB0
GeneID	66052;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.071 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate SDHC in samples. An antibody specific for SDHC has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySDHC present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SDHC is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SDHC bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**SDHC encodes one of four nuclear-encoded subunits that comprise succinate dehydrogenase, also known as mitochondrial complex II, a key enzyme complex of the tricarboxylic acid cycle and aerobic respiratory chains of mitochondria.

The encoded protein is one of two integral membrane proteins that anchor other subunits of the complex, which form the catalytic core, to the inner mitochondrial membrane. Several related pseudogenes are located in different genomic regions. Mutations in this gene have been associated with paragangliomas. Alternatively spliced transcript variants encoding different isoforms have been described.

Note: This product is for in vitro research use only