ARG65579
anti-SDHB antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes SDHB
Tested Reactivity	Hu, Ms
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SDHB
Species	Human
Immunogen	Synthetic peptide of human SDHB
Conjugation	Un-conjugated
Alternate Names	Ip; SDH2; SDH1; IP; EC 1.3.5.1; PGL4; CWS2; Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial; SDHIP; Iron-sulfur subunit of complex II; SDH

Application Instructions

Application table

Application	Dilution
IHC-P	25-100
WB	500-2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	293T cell and mouse brain tissue, human fetal liver tissue and HepG2 cell, Jurkat cell

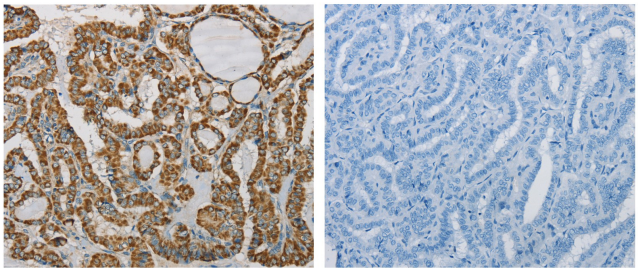
Properties

Form	Liquid
Purification	Purified by antigen-affinity chromatography.
Buffer	1XPBS (pH 7.4), 0.05% Sodium azide and 40% Glycerol
Preservative	0.05% Sodium azide
Stabilizer	40% Glycerol
Concentration	1.3 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

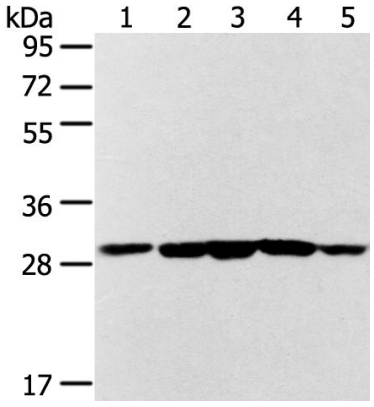
Database links	GeneID: 6390 Human GeneID: 67680 Mouse Swiss-port # P21912 Human Swiss-port # Q9CQA3 Mouse
Gene Symbol	SDHB
Gene Full Name	succinate dehydrogenase complex, subunit B, iron sulfur (Ip)
Background	Complex II of the respiratory chain, which is specifically involved in the oxidation of succinate, carries electrons from FADH to CoQ. The complex is composed of four nuclear-encoded subunits and is localized in the mitochondrial inner membrane. The iron-sulfur subunit is highly conserved and contains three cysteine-rich clusters which may comprise the iron-sulfur centers of the enzyme. Sporadic and familial mutations in this gene result in paragangliomas and pheochromocytoma, and support a link between mitochondrial dysfunction and tumorigenesis.
Function	Iron-sulfur protein (IP) 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). [UniProt]
Highlight	Related products: SDHB antibodies; Anti-Rabbit IgG secondary antibodies; Related poster download: The Structure & Functions of Mitochondria.pdf
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Metabolism antibody; Signaling Transduction antibody
Calculated Mw	32 kDa

Images



ARG65579 anti-SDHB antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human thyroid cancer tissue stained with ARG65579 anti-SDHB antibody (left) at 1:20 dilution, or the same antibody preincubated with synthetic peptide (right). (Original magnification: ×200)



ARG65579 anti-SDHB antibody WB image

Western blot: 40 µg of 1) 293T, 2) Mouse brain tissue, 3) Human fetal liver, 4) HepG2 and 5) Jurkat lysates stained with ARG65579 anti-SDHB antibody at 1:300 dilution. Exposure time: 30 seconds.