

SDHB Polyclonal Antibody

Catalog number: 10620-1-AP

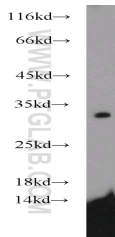
Size: 20 µg/150 µl

Source: Rabbit

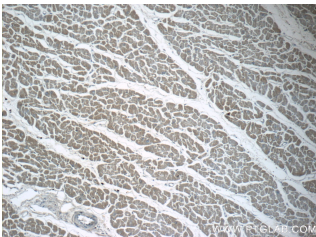
Isotype: IgG

Synonyms:

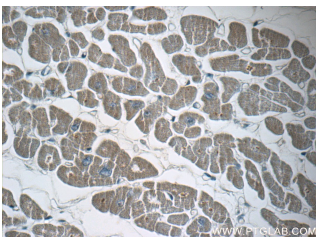
SDHB; FLJ92337, IP, PGL4, SDH, SDH1, SDHB, SDHIP



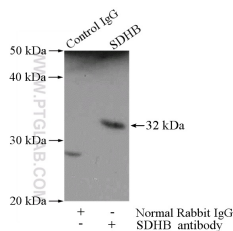
HEK-293 cells were subjected to SDS PAGE followed by western blot with 10620-1-AP(SDHB antibody) at dilution of 1:1000



Immunohistochemistry of paraffin-embedded human heart tissue slide using 10620-1-AP (SDHB Antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemistry of paraffin-embedded human heart tissue slide using 10620-1-AP (SDHB Antibody) at dilution of 1:50 (under 40x lens)



IP Result of anti-SDHB

(IP:10620-1-AP, 4µg;

Detection:10620-1-AP 1:500)

Background

SDHB(Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial) is also named as SDH, SDH1 and belongs to the succinate dehydrogenase/fumarate reductase iron-sulfur protein family. The SDHD, SDHB, and SDHC genes encode subunits of mitochondrial complex II (succinate dehydrogenase). Mitochondrial complex II is a heterotetrameric complex involved in the aerobic electron transport chain and catalyses the oxidation of succinate to fumarate (Krebs cycle) with transport of electrons to the ubiquinone pool. SDHA and SDHB are the hydrophilic catalytic part of the complex and are highly conserved(J Med Genet 2004;41:e99). Defects in SDHB are a cause of susceptibility to pheochromocytoma (PCC), paragangliomas type 4 (PGL4), paraganglioma and gastric stromal sarcoma (PGSS) and Cowden-like syndrome (CWDLS).

Applications

Tested applications:	ELISA, WB, IHC, IP
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated SDHB MW:	32 kDa
Observed SDHB MW:	32 kDa
Positive WB detected in	HEK-293 cells
Positive IP detected in	HEK-293 cells
Positive IHC detected in	Human heart tissue
Recommended dilution:	WB: 1:500-1:5000
	IP: 1:200-1:2000
	IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag0968
GenBank accession number:	BC007840
Gene ID (NCBI):	6390
Full name:	Succinate dehydrogenase complex, subunit B, iron sulfur (Ip)

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

with HEK-293 cells lysate
2800ug.