

CoraLite®594-conjugated SDHB

Monoclonal antibody

Catalog Number: **CL594-67600**

Basic Information

Catalog Number: CL594-67600	GenBank Accession Number: BC007840	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 6390	CloneNo.: 1A2A5
Source: Mouse	UNIPROT ID: P21912	Recommended Dilutions: IF-P 1:50-1:500
Isotype: IgG1	Full Name: succinate dehydrogenase complex, subunit B, iron sulfur (Ip)	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG29868	Calculated MW: 32 kDa	
	Observed MW: 28-32 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF-P : human liver cancer tissue,
Species Specificity: Human, Mouse, Rat	

Background Information

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 (PGGSS) and Cowden-like syndrome (CWDLS).

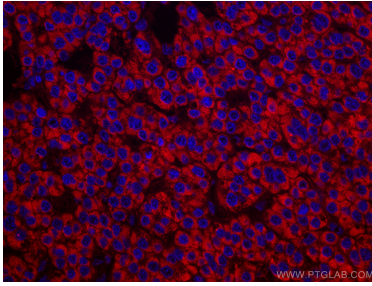
Storage

Storage:
Store at -20°C. Avoid exposure to light.

Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using CoraLite®594 SDHB antibody (CL594-67600, Clone: 1A2A5) at dilution of 1:200.