

SDHB Conjugated Antibody

Catalog No: #C37903



Package Size: #C37903-AF350 100ul #C37903-AF405 100ul #C37903-AF488 100ul

#C37903-AF555 100ul #C37903-AF594 100ul #C37903-AF647 100ul

#C37903-AF680 100ul #C37903-AF750 100ul #C37903-Biotin 100ul

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Description

Product Name	SDHB Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total SDHB protein.
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human succinate dehydrogenase complex, subunit B, iron sulfur (lp)
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	IP; SDH; CWS2; PGL4; SDH1; SDH2; SDHIP
Accession No.	Swiss-Prot#:P21912NCBI Gene ID:6390NCBI mRNA#:NCBI Protein#:NP_004704/O60524
Uniprot	P21912
GeneID	6390;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	32
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

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.

Note: This product is for in vitro research use only