

SDHA Conjugated Antibody

Catalog No: #C49453



Package Size: #C49453-AF350 100ul #C49453-AF405 100ul #C49453-AF488 100ul
 #C49453-AF555 100ul #C49453-AF594 100ul #C49453-AF647 100ul
 #C49453-AF680 100ul #C49453-AF750 100ul #C49453-Biotin 100ul

Orders: order@signalwayantibody.com
 Support: tech@signalwayantibody.com

Description

Product Name	SDHA Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt, Zebrafish
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	CMD1GG antibody DHSA_HUMAN antibody Flavoprotein subunit of complex II antibody Fp antibody PGL5 antibody SDH 2 antibody SDH1 antibody SDH2 antibody SDHA antibody SDHF antibody Succinate dehydrogenase [ubiquinone] flavoprotein subunit antibody Succinate dehydrogenase [ubiquinone] flavoprotein subunit mitochondrial antibody Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial antibody Succinate dehydrogenase complex flavoprotein subunit A antibody Succinate dehydrogenase complex flavoprotein subunit antibody Succinate dehydrogenase complex flavoprotein subunit precursor antibody Succinate dehydrogenase complex subunit A antibody Succinate dehydrogenase complex subunit A flavoprotein (Fp) antibody Succinate dehydrogenase complex subunit A flavoprotein antibody
Accession No.	Swiss-Prot#:P31040
Uniprot	P31040
GeneID	6389;
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	68 kDa
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

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

In aerobic respiration reactions, succinate dehydrogenase (SDH) catalyzes the oxidation of succinate and ubiquinone to fumarate and ubiquinol. Four subunits comprise the SDH protein complex: a flavochrome subunit (SDHA), an iron-sulfur protein (SDHB), and two membrane-bound subunits (SDHC and SDHD) anchored to the inner mitochondrial membrane. Mutations to these subunits cause mitochondrial dysfunction, corresponding to several distinct disorders. Mutations in the membrane bound components may cause hereditary paraganglioma, while SDHA mutations are associated with juvenile encephalopathy as well as Leigh Syndrome, a severe neurological disorder. Inactivating mutations in SDHB correlate with inherited, but not necessarily sporadic, cases of pheochromocytoma.

Note: This product is for in vitro research use only