NDUFS3 Conjugated Antibody

Catalog No: #C49695

Package Size: #C49695-AF350 100ul #C49695-AF405 100ul #C49695-AF488 100ul #C49695-AF555 100ul #C49695-AF594 100ul #C49695-AF647 100ul #C49695-AF680 100ul #C49695-AF750 100ul #C49695-Biotin 100ul

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

Description

Product Name	NDUFS3 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	CI 30 antibody CI 30KD antibody CI-30kD antibody Complex I 30KD antibody Complex I 30kDa subunit antibody COMPLEX I, MITOCHONDRIAL RESPIRATORY CHAIN, 30-KD SUBUNIT antibody Complex I-30kD antibody mitochondrial antibody NADH coenzyme Q reductase antibody NADH dehydrogenase (ubiquinone) Fe S protein 3 30kDa antibody NADH dehydrogenase [ubiquinone] iron sulfur protein 3 mitochondrial antibody NADH dehydrogenase [ubiquinone] iron-sulfur protein 3 antibody NADH dehydrogenase ubiquinone 30 kDa subunit antibody NADH-ubiquinone oxidoreductase 30 kDa subunit antibody NADH-Ubiquinone Oxidoreductase Fe-S Protein 3 antibody NDUFS3 antibody NDUS3_HUMAN antibody
Accession No.	Swiss-Prot#:O75489
Uniprot	O75489
GeneID	4722;
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	25 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

NDUFS3 (NADH dehydrogenase ubiquinone iron-sulfur protein 3) is one of about 45 subunits comprising complex I of the oxidative phosphorylation electron transport chain. The multisubunit NADH: ubiquinone oxidoreductase (complex I) is the first enzyme complex in the electron transport chain of the mitochondria. NDUFS3 is the last subunit of the seven subunits that make up the core of complex I. Through use of chaotropic agents, complex I can be separated into three different fractions: a flavoprotein fraction, an iron-sulfur protein (IP) fraction, and a hydrophobic protein (HP) fraction. The IP fraction includes NDUFS1-7. NDUFS3 contains a highly conserved casein kinase II phosphorylation site. Mutations in the NDUFS3 gene may cause optic atrophy, Leigh syndrome and complex I deficiency.

Note: This product is for in vitro research use only