

MT-CYB Conjugated Antibody

Catalog No: #C37517



Package Size: #C37517-AF350 100ul #C37517-AF405 100ul #C37517-AF488 100ul
 #C37517-AF555 100ul #C37517-AF594 100ul #C37517-AF647 100ul
 #C37517-AF680 100ul #C37517-AF750 100ul #C37517-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	MT-CYB Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total MT-CYB protein.
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human mitochondrially encoded cytochrome b
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	MTCYB; CYTB
Accession No.	Swiss-Prot#:P00156NCBI Gene ID:4519NCBI Protein#:NP_000091
Uniprot	P00156
GeneID	4519;
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
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

Cytochrome b is a component of the ubiquinol-cytochrome c reductase complex, which is a respiratory chain that generates an electrochemical potential, coupled to ATP synthesis. The principal components of the b-c1 complex are cytochrome b, cytochrome c1, and the rieske protein. Cytochrome b possesses two heme groups, which are not covalently attached to the protein. Mutations in cytochrome b are associated with Leber's hereditary optic neuropathy and with myopathy.

Note: This product is for in vitro research use only