ATPB Conjugated Antibody

Catalog No: #C49442

Package Size: #C49442-AF350 100ul #C49442-AF405 100ul #C49442-AF488 100ul #C49442-AF555 100ul #C49442-AF594 100ul #C49442-AF647 100ul #C49442-AF680 100ul #C49442-AF750 100ul #C49442-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	ATPB 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	ATP 5B antibody ATP synthase H+ transporting mitochondrial F1 complex beta polypeptide antibody ATP synthase subunit beta mitochondrial antibody ATP synthase subunit beta, mitochondrial antibody atp5b antibody ATPB antibody ATPB_HUMAN antibody ATPMB antibody ATPSB antibody Epididymis secretory protein Li 271 antibody HEL-S-271 antibody Mitochondrial ATP synthase beta subunit antibody Mitochondrial ATP Synthase Subunit Beta antibody Mitochondrial ATP synthetase beta subunit antibody
Accession No.	Swiss-Prot#:P06576
Uniprot	P06576
GeneID	506;
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	53 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

Mitochondrial membrane ATP synthase (F(1)F(0) ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the membrane which is generated by electron transport complexes of the respiratory chain. F-type ATPases consist of two structural domains, F(1) - containing the extramembraneous catalytic core, and F(0) - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F(1) is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Subunits alpha and beta form the catalytic core in F(1). Rotation of the central stalk against the surrounding alpha(3)beta(3) subunits leads to hydrolysis of ATP in three separate catalytic sites on the beta subunits.

Note: This product is for in vitro research use only