ATPase (Phospho-Ser16) Conjugated Antibody

Catalog No: #C11938

Package Size: #C11938-AF350 100ul #C11938-AF405 100ul #C11938-AF488 100ul #C11938-AF555 100ul #C11938-AF594 100ul #C11938-AF647 100ul #C11938-AF680 100ul #C11938-AF750 100ul #C11938-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	ATPase (Phospho-Ser16) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of ATPase only when phosphorylated at serine 16.
Immunogen Description	Peptide sequence around phosphorylation site of serine 16 (A-V-S(p)-E-Q) derived from Human ATPase.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	A1A1;AT1A1;ATP1A1;K-ATPase 1;Sodium pump 1
Accession No.	Swiss-Prot#:P05023NCBI Gene ID:476NCBI mRNA#:NM_000701.7 NCBI Protein#:NP_000692.2
Uniprot	P05023
GeneID	476;
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	112
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°Cin 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

Product Description

Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.

Background

This is the catalytic component of the active enzyme, which catalyzes the hydrolysis of ATP coupled with the exchange of sodium and potassium ions across the plasma membrane. This action creates the electrochemical gradient of sodium and potassium ions, providing the energy for active transport of various nutrients.

Note: This product is for in vitro research use only