

ATP1 α 1/Na⁺K⁺ ATPase1 (Ab-23) Conjugated Antibody

Catalog No: #C33176

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

Package Size: #C33176-AF350 100ul #C33176-AF405 100ul #C33176-AF488 100ul

#C33176-AF555 100ul #C33176-AF594 100ul #C33176-AF647 100ul

#C33176-AF680 100ul #C33176-AF750 100ul #C33176-Biotin 100ul

Description

Product Name	ATP1 α 1/Na ⁺ K ⁺ ATPase1 (Ab-23) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total ATP1 α 1/Na ⁺ K ⁺ ATPase1 protein.
Immunogen Description	Synthesized non-phosphopeptide derived from human ATP1 α 1/Na ⁺ K ⁺ ATPase1 around the phosphorylation site of serine 23 (K-K-S(p)-K-K).
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	A1A1;AT1A1;ATPase;Na ⁺ /K ⁺ transporting;alpha 1 polypeptide
Accession No.	Swiss-Prot#:P06685NCBI Gene ID:24211
Uniprot	P06685
GeneID	24211;
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	113
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

Product Description

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

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