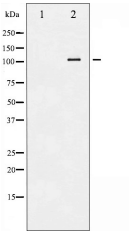
Affinity Biosciences
website:www.affbiotech.com
order:order@affbiotech.com

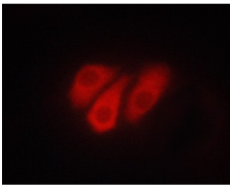
Phospho-ATP1 alpha1/Na+K+ ATPase1 (Ser23) Ab

Cat.#: AF3109	Concn.: 1mg/ml	Mol.Wt.: 113kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

Application:	WB 1:500-1:2000 IF/ICC 1:100-1:500
Reactivity:	Human,Mouse,Rat
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-ATP1 alpha1/Na+K+ ATPase1 (Ser23) Ab detects endogenous levels of ATP1 alpha1/Na+K+ ATPase1 only when phosphorylated at Serine 23
Immunogen:	A synthesized peptide derived from human ATP1 alpha1/Na+K+ ATPase1 around the phosphorylation site of Serine 23
Uniprot:	P06685/P05023
Description:	ATP1A1 the catalytic component of the active enzyme, which catalyzes the hydrolysis of ATP coupled with the exchange of Na and K ions across the plasma membrane. This action creates the electrochemical gradient of Na and K, providing the energy for active transport of various nutrients.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt



Western blot analysis of ATP1 alpha1/Na+K+ ATPase1 phosphorylation expression in Rat braintissue lysates,The lane on the left is treated with the antigen-specific peptide.



AF3109 staining PC-12 cells treated with TPA by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37°C. The primary Ab was diluted 1/400 and incubated with the sample for 1 hour at 37°C. A Alexa Fluor® 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.