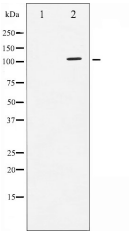
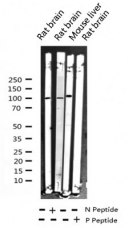
Phospho-ATPase (Ser16) Ab

Cat.#: AF3083	Concn.: 1mg/ml	Mol.Wt.: 112kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

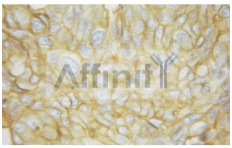
Application:	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Reactivity:	Human,Mouse,Rat
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-ATPase (Ser16) Ab detects endogenous levels of ATPase only when phosphorylated at Serine 16
Immunogen:	A synthesized peptide derived from human ATPase around the phosphorylation site of Serine 16
Uniprot:	P05023
Description:	The protein encoded by this gene belongs to the family of P-type cation transport ATPases, and to the subfamily of Na+/K+ -ATPases. Na+/K+ -ATPase is an integral membrane protein responsible for establishing and maintaining the electrochemical gradients of Na and K ions across the plasma membrane.
Subcellular Location:	Cell membrane. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.
Similarity:	Belongs to the cation transport ATPase (P-type) (TC 3.A.3) family. Type IIC subfamily. [View classification]
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



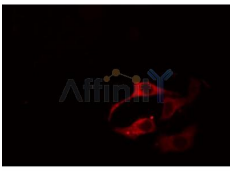
Western blot analysis of ATPase phosphorylation expression in PMA treated 293 whole cell lysates,The lane on the left is treated with the antigen-specific peptide.



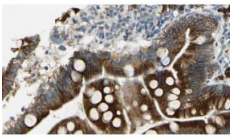
Western blot analysis of Phospho-ATPase (Ser16) expression in various lysates



AF3083 at 1/100 staining human liver cancer tissues sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours



AF3083 staining 293 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab(Cat.# S0006), diluted at 1/600, was used as secondary Ab.



AF3083 at 1/100 staining Mouse intestine tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.

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.