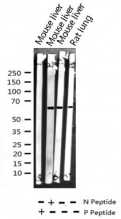
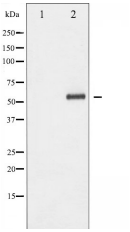
Phospho-HDAC1 (Ser421) Ab

Cat.#: AF3433	Concn.: 1mg/ml	Mol.Wt.: 62kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

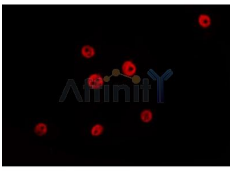
Application:	WB 1:500-1:2000, IF/ICC 1:100-1:500
Reactivity:	Human,Mouse,Rat
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-HDAC1 (Ser421) Ab detects endogenous levels of HDAC1 only when phosphorylated at Serine 421.
Immunogen:	A synthesized peptide derived from human HDAC1 around the phosphorylation site of Serine 421.
Uniprot:	Q13547
Description:	Histone acetylation and deacetylation, catalyzed by multisubunit complexes, play a key role in the regulation of eukaryotic gene expression. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex.
Subcellular Location:	Nucleus.
Tissue Specificity:	Ubiquitous, with higher levels in heart, pancreas and testis, and lower levels in kidney and brain.
Similarity:	Belongs to the histone deacetylase family. HD type 1 subfamily.
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 Phospho-HDAC1 (Ser421) expression in various lysates



Western blot analysis of HDAC1 phosphorylation expression in EGF treated Jurkat whole cell lysates,The lane on the left is treated with the antigen-specific peptide.



AF3433 staining Hela 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, diluted at 1/600, was used as the secondary Ab.

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