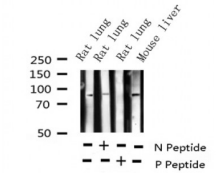
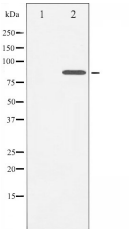
Phospho-Cortactin (Tyr421) Ab

Cat.#: AF3436	Concn.: 1mg/ml	Mol.Wt.: 85kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

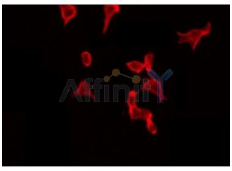
Application:	WB 1:500-1:2000, IF/ICC 1:100-1:500
Reactivity:	Human,Mouse,Rat
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-Cortactin (Tyr421) Ab detects endogenous levels of Cortactin only when phosphorylated at Tyrosine 421.
Immunogen:	A synthesized peptide derived from human Cortactin around the phosphorylation site of Tyrosine 421.
Uniprot:	Q14247
Description:	cortactin a cytoskeletal protein that that is involved in coordinating actin reorganization during cell movement. Localizes at the leading edge of lamellipodia during cell migration. Its amino-terminal acidic domain associates with the Arp2/3 and WASP complex at F-actin branches.
Subcellular Location:	Cytoplasm > cytoskeleton. Cell projection > lamellipodium. Cell projection > ruffle. Associated with membrane ruffles and lamellipodia.
Similarity:	The SH3 motif may mediate binding to the cytoskeleton.
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-Cortactin (Tyr421) expression in various lysates



Western blot analysis of Cortactin phosphorylation expression in H2O2 treated HeLa whole cell lysates,The lane on the left is treated with the antigen-specific peptide.



AF3436 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.