

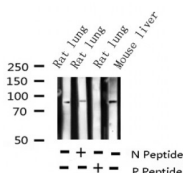
Phospho-Cortactin (Tyr421) Ab

Cat.#: AF3436
Size: 100ul,200ul

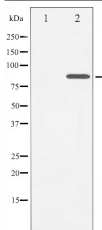
Concn.: 1mg/ml
Source: Rabbit

Mol.Wt.: 85kDa
Clonality: Polyclonal

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|-------------------------------|--|
| 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.

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