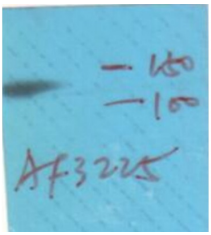
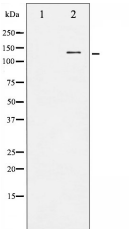
Phospho-CBL (Tyr674) Ab

Cat.#: AF3225	Concn.: 1mg/ml	Mol.Wt.: 120kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

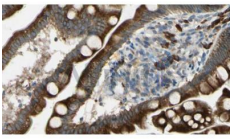
Application:	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Reactivity:	Human,Mouse,Rat
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-CBL (Tyr674) Ab detects endogenous levels of CBL only when phosphorylated at Tyrosine 674.
Immunogen:	A synthesized peptide derived from human CBL around the phosphorylation site of Tyrosine 674.
Uniprot:	P22681
Description:	Cbl an adapter protein that functions as a negative regulator of many signaling pathways that start from receptors at the cell surface.
Subcellular Location:	Cytoplasm.
Similarity:	The RING-type zinc finger domain mediates binding to an E2 ubiquitin-conjugating enzyme.The N-terminus is composed of the phosphotyrosine binding (PTB) domain, a short linker region and the RING-type zinc finger. The PTB domain, which is also called TKB (tyrosine kinase binding) domain, is composed of three different subdomains: a four-helix bundle (4H), a calcium-binding EF hand and a divergent SH2 domain.
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.



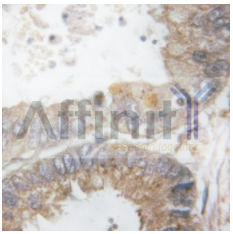
Western blot analysis of Phospho-CBL (Tyr674) Ab expression in Na2VO3 treated HepG2 cells lysates.The lane on the right is treated with the antigen-specific peptide.



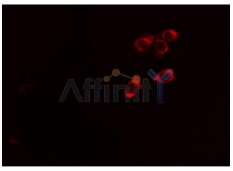
Western blot analysis of CBL phosphorylation expression in Na2VO3 treated HepG2 whole cell lysates,The lane on the left is treated with the antigen-specific peptide.



AF3225 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.



AF3225 at 1/200 staining Human breast cancer tissue 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 at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



AF3225 staining Hela 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.

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.