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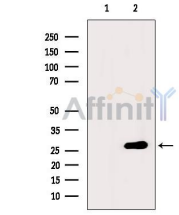
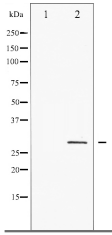
Phospho-p27 Kip1 (Thr198) Antibody

Cat.#: AF3325	Concn.: 1mg/ml	Mol.Wt.: 27kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

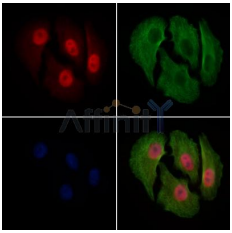
Application:	WB 1:500-1:2000, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Reactivity:	Human
Purification:	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Specificity:	Phospho-p27 Kip1 (Thr198) Antibody detects endogenous levels of p27 Kip1 only when phosphorylated at Threonine 198.
Immunogen:	A synthesized peptide derived from human p27 Kip1 around the phosphorylation site of Thr198.
Uniprot:	P46527
Description:	This gene encodes a cyclin-dependent kinase inhibitor, which shares a limited similarity with CDK inhibitor CDKN1A/p21. The encoded protein binds to and prevents the activation of cyclin E-CDK2 or cyclin D-CDK4 complexes, and thus controls the cell cycle progression at G1.
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 extracts from heat-shock treated HepG2 cells, using Phospho-p27 Kip1 (Thr198) Antibody. The lane on the left was treated with blocking peptide.



Western blot analysis of p27 Kip1 phosphorylation expression in HeLa whole cell lysates,The lane on the left was treated with the antigen-specific peptide.



AF3325 staining Hela cells(4h of LPS treatment) by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AF3325 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody.

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.