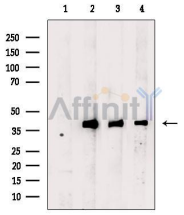
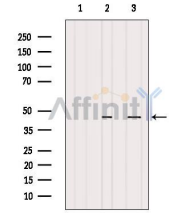
beta Actin Antibody

Cat.#: AF7018
Size: 50ul,100ul,200ul,1ml
Concn.: 1mg/ml
Source: Rabbit
Mol.Wt.: 43kDa
Clonality: Polyclonal

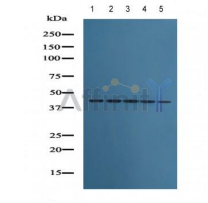
Application:	WB 1:3000-1:20000, IHC 1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Reactivity:	Human,Mouse,Rat,Pig,Zebrafish,Bovine,Rabbit,Dog,Monkey, Fish
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Specificity:	Beta actin antibody detects endogenous levels of total Beta actin.
Immunogen:	A synthesized peptide derived from human Beta actin.
Uniprot:	P60709
Description:	Actin, a ubiquitous eukaryotic protein, is the major component of the cytoskeleton. At least six isoforms are known in mammals. Nonmuscle β- and γ-actin, also known as cytoplasmic actin, are predominantly expressed in nonmuscle cells, controlling cell structure and motility.
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.



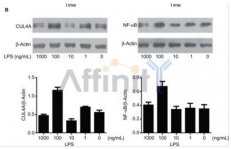
Western blot analysis of extracts from various samples, using beta Actin Antibody.
Lane 1: Hela cells, blocked with antigen-specific peptides,
Lane 2: Hela cells,
Lane 3: Rat liver,
Lane 4: MCF7 cells.



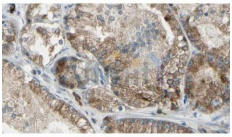
Western blot analysis of extracts from various samples, using beta Actin Antibody.
Lane 1: 3T3 treated with blocking peptide;
Lane 2: 3T3;
Lane 3: COS-7.



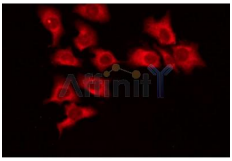
Western blot analysis of extracts from NIH/3T3 (1), Jurkat (2), rat brain (3), rat liver (4), PC12 (5) lysates,using Beta-actin Antibody



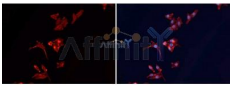
LPS enhanced the expression of CUL4A and NF-κB proteins in gastric cancer cells.



AF7018 at 1/100 staining Human prostate 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 antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



AF7018 staining HEPG2 cells by ICC/IF. 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 antibody 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) antibody(Red), diluted at 1/600 was used as secondary antibody.



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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.