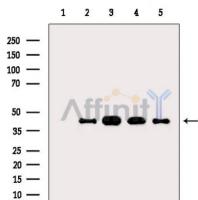


## beta Actin Ab

[References\(1077\)](#) [Images\(195\)](#)

Cat.#: AF7018	Concn.: ~1mg/ml	Mol.Wt.: 43kDa
Size:	Source: Rabbit	Clonality: Polyclonal
Application:	WB 1:3000-1:20000, IHC 1:50-1:200, IF/ICC 1:100-1:500 *The optimal dilutions should be determined by the end user.	
Reactivity:	Human,Mouse,Rat,Pig,Zebrafish,Bovine,Rabbit,Dog,Monkey,Fish	
Storage:	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.	
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).	
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 $\beta$ - and $\gamma$ -actin, also known as cytoplasmic actin, are predominantly expressed in nonmuscle cells, controlling cell structure and motility.	



Western blot analysis of extracts from various samples, using beta Actin Ab.  
 Lane 1: Rat kidney, blocked with antigen-specific peptides.  
 Lane 2: Rat kidney.  
 Lane 3: Mouse kidney.  
 Lane 4: HepG2 cells(serum starvation treatment).  
 Lane 5: Hela cells(heat-shock treatment).



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 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(Red), 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.



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