

Affinity Biosciences website:www.affbiotech.com

beta Actin Ab

References(744) Images(191)

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

SulfoLinkTM Coupling Resin (Thermo Fisher Scientific).

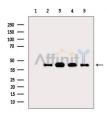
Immunogen: A synthesized peptide derived from human Beta actin.

Uniprot: P60709

Description: Actin, a ubiquitous eukaryotic protein, is the major component of the

cytoskeleton. At least six isoforms are known in mammals. Nonmuscle ?and ?-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.

<code>IMPORTANT:</code> 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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