

β -actin Rabbit Polyclonal Antibody

Catalog No: RCA58

Basic Information

Host species	Rabbit
Applications	WB, IHC, IF
Species Cross-Reactivity	H, R, M, Mk, Ch, Hm, Sh, Xenopus
Specificity	Antibody can detect endogenous β -actin protein.
Recommended dilutions	WB: 1:3,000 IHC: 1:200 IF: 1:200 Optimal dilutions should be determined by the end user.

Applications

Formulation	PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Concentration	1 mg/ml
Clonality	Polyclonal

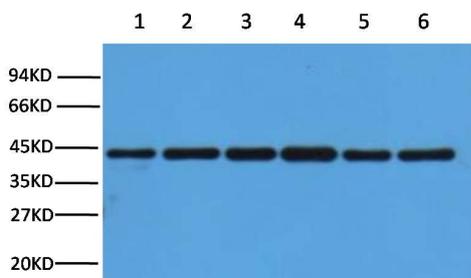
Background

Alternative Names	
Observed band	43
Human Gene ID	60
Human Swiss-Prot Number	P60709

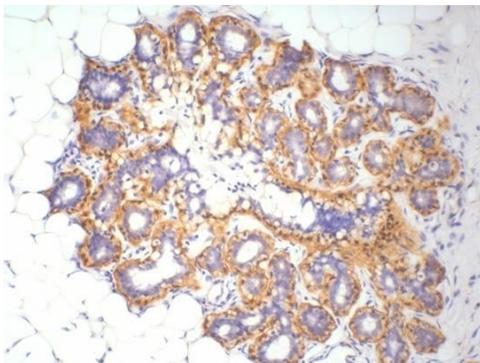
Background

β -Actin is one of six different actin isoforms that have been identified. The actin molecules found in cells of various species and tissues tend to be very similar in their immunological and physical properties. Therefore, Antibodies against β -Actin are useful as loading controls for Western Blotting. However it should be noted that levels of β -Actin may not be stable in certain cells. For example, expression of β -Actin in adipose tissue is very low and therefore β -Actin should not be used as loading control for these tissues.

Selected Validation Data



Western blot analysis of HepG2 (1) , Rat liver (2) ,Mouse kidney (3) , Rabbit testic(4), Sheep lung(5), 293T(6) with β -Actin rabbit polyclonal antibody diluted at 1:5000.



IHC staining of Human ovary tissue with β -Actin pAb diluted at 1:200.