

Basic Information

Product Name	Anti-Beta Actin/ACTB Antibody		
Gene Name	ACTB		
Source	Rabbit		
Isotype	IgG		
Species Reactivity	human,mouse,rat,rabbit		
Tested Application	WB		
Contents	500 ug/ml antibody with PBS , 0.02% NaN3 , 1 mg BSA and 50% glycerol.		
Immunogen	A synthesized peptide		
Purification	Immunogen affinity purified.		
Observed MW	42KD		
Dilution Ratios	Western blot (WB):	1:500-5000	
	Immunohistochemistry in paraffin section (IHC):	1:50-400	
	(Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.		

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

The primary site of action of cytochalasin B on cell motility processes is beta-actin. Habets et al.(1992) generated hybrids that harbor only specific regions of human chromosome 7 and assigned the ACTB locus to 7p15-p12. ACTB and the other assigned beta-actin-related sequences are dispersed over at least four different chromosomes including one locus assigned to the X chromosome. A mutation of beta-actin that alters depolymerization dynamics is associated with autosomal dominant developmental malformations, deafness, and dystonia.

Reference

Anti-Beta Actin/ACTB Antibody被引用在95文献中。

Selected Validation Data

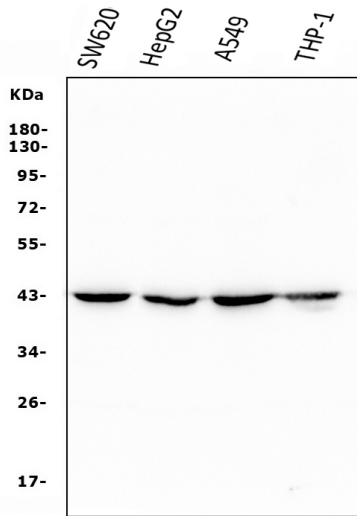


Figure 1. Western blot analysis of anti-beta-Actin/ β -Actin antibody (BA2305). The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: SW620 whole cell lysates, Lane 2: HepG2 whole cell lysates, Lane 3: A549 whole cell lysates, Lane 4: THP-1 whole cell lysates, Use rabbit anti-beta-Actin/ β -Actin 1:1000, probed with a goat anti-rabbit IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002). A specific band was detected for beta-Actin/ β -Actin at approximately 42KD. The expected band size for beta-Actin/ β -Actin is at 42KD.