

Basic Information

Product Name	Anti-Beta Actin/ACTB HRP Conjugated Antibody (Clone#B2001)
Gene Name	ACTB
Source	Mouse
Clonality	Monoclonal
Isotype	IgG1
Species Reactivity	human, mouse, rat
Tested Application	WB
Contents	Purified antibody in PBS with 0.05% sodium azide and 0.5% protein stabilizer
Immunogen	A synthesized peptide derived from human beta Actin
Purification	Immunogen affinity purified.
Observed MW	42 kDa
Dilution Ratios	Western blot (WB):1:500-2000

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 HRP Conjugated Antibody (Clone#B2001)被引用在17文献中。

Selected Validation Data

Product datasheet

**Anti-Beta Actin/ACTB HRP Conjugated
Antibody (Clone#B2001)**

Catalog Number: BM5180

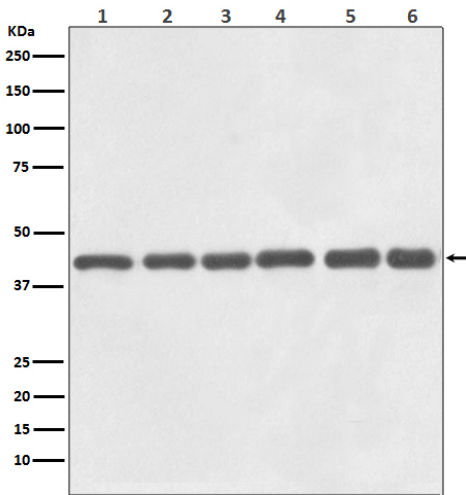
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Western blot analysis of beta Actin expression in (1) HeLa cell lysate, (2) Human liver lysate, (3) 3T3 cell lysate, (4) Mouse brain lysate, (5) PC12 cell lysate, (6) Rat heart lysate.