

Product Datasheet

beta Actin Antibody(HRP Conjugated)



Catalog No: AB2001

Reactivity: Human,Mouse,Monkey,Rat,Hamster,Plant

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Isotype: Mouse IgG2b

Applications: WB

Information

UniProt ID: P60709

All Names: ACTIN; ACTB; BETA-ACTIN; beta actin; actin beta;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

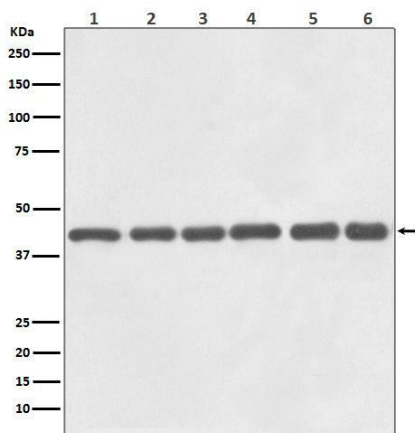
Molecular Wt.: 42 kDa

Application

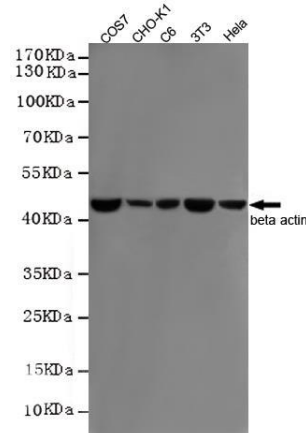
WB 1:3000~1:10000

Background

Beta 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 beta-Actin are useful as loading controls for Western Blotting. However it should be noted that levels of beta-Actin may not be stable in certain cells. For example, expression of beta-Actin in adipose tissue is very low and therefore it should not be used as loading control for these tissues.



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.



Western blot analysis of beta Actin expression in COS7; CHO-K1; C6; 3T3; Hela cell lysates.

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