

## HRP-conjugated Beta Actin Monoclonal antibody

**Cat:**B31014T-HRP

**Company:** HaoKebio

**Uniprot ID:**P60709

**Applications:** WB:1:1000-1:25000

**Organism:**Mouse

**Species reactivity:**Human Mouse Rat

**Molecular Weight Calculation:** 42 kDa

**Observed Molecular Weight:** 42 kDa

**Background:**

Beta Actin, also named as ACTB and F-Actin, belongs to the actin family. Actins are highly conserved globular proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells. At least six isoforms of actins are known in mammals and other vertebrates: alpha (ACTC1, cardiac muscle 1), alpha 1 (ACTA1, skeletal muscle) and 2 (ACTA2, aortic smooth muscle), beta (ACTB), gamma 1 (ACTG1) and 2 (ACTG2, enteric smooth muscle). Beta and gamma 1 are two non-muscle actin proteins. Most actins consist of 376aa, while ACTG2 (rich in muscles) has 375aa and ACTG1(found in non-muscle cells) has only 374aa. Beta actin has been widely used as the internal control in RT-PCR and Western Blotting as a 42-kDa protein. However, the 37-40, 31, 15 kDa cleaved fragment of beta actin can be generated during apoptosis process. This antibody was generated against N-terminal region of human beta actin protein and can cross-react with other actins.

**Affinity purification**
**Form:**

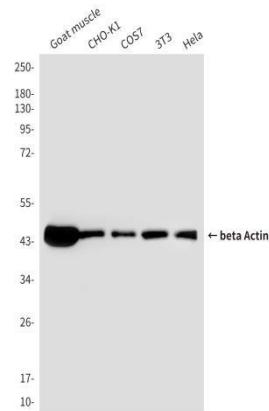
Liquid

**Storage Buffer:**

PBS with 0.02% sodium azide,100 µg/ml BSA and 50% glycerol.

**Storage:**

Store at -20 °C for one year.

**Images:**


Dilution of 1:25000 incubated at room temperature for 1.5 hours.

**Source of Reagents:**

发表[中文论文]请标注:HRP-Beta(B31014T-HRP)由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注:HRP-Beta(B31014T-HRP) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.

**Protein full name:**

actin, beta

**Synonyms:**

 Actin, ACTB, bate actin,  $\beta$  actin, Actin, cytoplasmic 1

**Immunogen:**

Recombinant protein

**Isotype:**

IgG2b

**Purity:**