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beta Actin Rabbit mAb

货号: AC0014

产品信息

反应	Human,Mouse,Rat,Goat,Pig,Chicken,Rabbit,Zebrafish
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB IHC ICC/IF IP
推荐浓度	**WB 1:3000-1:10000 IHC 1:100-1:500 ICC/IF 1:100-1:500:**
理论分子量	42kD(Calculated).
实测分子量	43kDa; 42kD(
形式	Liquid
保存条件	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	HeLa,MCF7,A-431,NIH/3T3,C6,Mouse testis,Mouse kidney,Rat testis
细胞定位	Cytoplasm>Cytoskeleton. Nucleus
纯化	亲和纯化

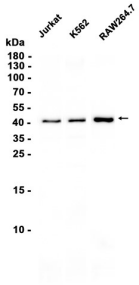
抗原信息

抗原信息	A synthesized peptide derived from human beta Actin

靶点信息

研究背景	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
基因ID	60
基因名	ACTB
Swiss	P60709 (https://www.uniprot.org/uniprotkb/P60709/entry)
别名	ACTB; Actin; cytoplasmic 1; Beta-actin; Beta actin; BRWS1; β actin;b actin; Actin beta; Beta cytoskeletal actin; PS1TP5-binding protein 1; PS1TP5BP1

产品验证



Western blot analysis of extracts from Jurkat, K562, RAW264.7 cells using beta Actin at 1:5000.

实验步骤

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