

Basic Information

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| Product Name | Anti-Beta Actin/ACTB Antibody (HRP) |
| Gene Name | ACTB |
| Source | Rabbit |
| Isotype | IgG |
| Species Reactivity | human, mouse, rat, rabbit, chicken, drosophila |
| Tested Application | ELISA, WB |
| Contents | HRP-Beta-Actin antibody is supplied in PBS containing 1% BSA and 0.02% thimerosol. |
| Immunogen | HRP-Beta-Actin antibody was raised against a synthetic peptide containing 16 amino acids near the amino terminus of beta-actin. |
| concentration | 1 mg/mL |
| Purification | HRP-Beta-Actin antibody is affinity chromatography purified via peptide column. |
| Dilution Ratios | HRP-Beta-Actin antibody can be used for detection of Beta-Actin by Western blot at 0.5 - 1 μ g/ml. Antibody validated: Western Blot in human, mouse, and rat samples. All other applications and species not yet tested. |

Storage

HRP-Beta-Actin antibody can be stored at 4°C for three months and -20°C, stable for up to one year.

Background Information

Actins are highly conserved proteins that are involved in cell motility, structure and integrity, processes that are crucial for tissue development and the development of organism. The actin cytoskeleton is one of the principal drivers of cell motility and is capable of responding to complex signaling cascades. Recent evidence suggests that it may play key roles in regulating apoptosis and aging. Beta actin is one of six different actin isoforms which have been identified. Like GAPDH, beta-Actin is constitutively expressed at high levels in almost all tissues and cell lines making it ideal for use as a loading control marker in immunoblots.

Selected Validation Data

Product datasheet

Anti-Beta Actin/ACTB Antibody (HRP)

Catalog Number: **A01263-HRP**

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Western blot analysis of beta-Actin (HRP) in 293

