# ACTR3 Antibody

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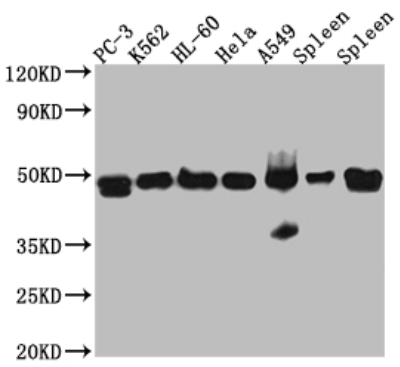
| **Product Code** | CSB-RA213635A0HU |
| **Storage** | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |
| **Uniprot No.** | P61158 |
| **Immunogen** | A synthesized peptide derived from human Arp3 |
| **Species Reactivity** | Human, Mouse, Rat |
| **Tested Applications** | ELISA, WB; Recommended dilution: WB:1:500-1:5000 |
| **Relevance** | Functions as ATP-binding component of the Arp2/3 complex which is involved in regulation of actin polymerization and together with an activating nucleation-promoting factor (NPF) mediates the formation of branched actin networks. Seems to contact the pointed end of the daughter actin filament. Plays a role in ciliogenesis. |
| **Form** | Liquid |
| **Conjugate** | Non-conjugated |
| **Storage Buffer** | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| **Purification Method** | Affinity-chromatography |
| **Isotype** | Rabbit IgG |
| **Clonality** | Monoclonal |
| **Product Type** | Recombinant Antibody |
| **Immunogen Species** | Homo sapiens (Human) |
| **Research Area** | Tags & Cell Markers; Immunology |
| **Gene Names** | ACTR3 |
| **Accession NO.** | 7E5 |

**Image**




Western Blot
Positive WB detected in: PC-3 whole cell lysate, K562 whole cell lysate, HL-60 whole cell lysate, A549 whole cell lysate, Mouse Spleen whole cell lysate, Rat Spleen whole cell lysate
All lanes: Arp3 Antibody at 1:1000
Secondary
Goat polyclonal to rabbit IgG at 1/50000 dilution
Predicted band size: 48 kDa
Observed band size: 48 kDa

**Description**

The ACTR3 recombinant monoclonal antibody is a highly specific antibody against the human, rat, and mouse ACTR3 protein. This ACTR3 antibody was

produced in vitro by transfecting human ACTR3 monoclonal antibody gene-vector clones into the cell line, followed by affinity-chromatography purification from the tissue culture supernatant (TCS). The mice were immunized with a human ACTR3 synthetic peptide to produce the human ACTR3 monoclonal antibody. This ACTR3 antibody has the same isotype as rabbit IgG. It is suitable for ELISA and WB.

ACTR3 encodes the actin-related Arp3 protein that is a subunit of the Arp2/3 complex. The Arp2/3 complex attaches the new filament's pointed end to the current filament, forming a new barbed end for polymerization. The Arp2/3 complex is involved in the production of lamellipodia and filopodia in nonneuronal cells, implying that it is likely to be important for morphological alterations in growing neurons.