

β-Actin

Cat.No. 251 003; Polyclonal rabbit antibody, 100 µg specific antibody (lyophilized)

Data Sheet

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| Reconstitution/ Storage | 100 µg specific antibody, lyophilized. Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization. For reconstitution add 100 µl H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use. |
| Applications | WB: 1 : 1000 up to 1 : 5000 IP: yes ICC: 1 : 200 up to 1 : 500 (see remarks) IHC: not tested yet IHC-P/FFPE: not tested yet |
| Immunogen | Synthetic peptide corresponding to AA 2 to 16 from mouse β-Actin (UniProt Id: P60710) |
| Reactivity | Reacts with: rat (P60711), mouse (P60710), chicken, zebrafish. Other species not tested yet. |
| Specificity | May cross-react to α- and γ-actin due to sequence homology. |
| Remarks | ICC: Methanol or mild PFA fixation (2%). protocol for methanol fixation. |

TO BE USED IN VITRO / FOR RESEARCH ONLY

NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

The two major cytoskeletal proteins involved in cell motility are myosin and **actin**. Monomeric actin is a globular protein that is expressed in all eukaryotic cells. Actin is the major subunit of microfilaments, a major component of the cytoskeleton, and of thin filaments, part of the contractile apparatus in muscle cells.

Actin is involved in many cellular processes including cell motility, maintenance of cell shape, and organelle trafficking.

Three main groups of actin have been identified. α-actins are found in muscle tissues whereas β- and γ-actins co-exist in most cell types as components of the cytoskeleton.

Selected References SYSY Antibodies

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Selected General References

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