

## Rabbit gamma Actin Polyclonal Antibody | anti-ACTG1 antibody

gamma Actin antibody

|                               |                       |                                                           |
|-------------------------------|-----------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA107604</b> | HOST<br><b>Rabbit</b> | APPLICATIONS<br><b>Western Blot, Immunohistochemistry</b> |
|-------------------------------|-----------------------|-----------------------------------------------------------|

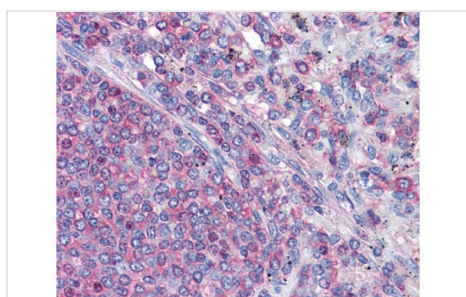
### PRODUCT SYNONYMS

gamma Actin; Polyclonal Antibody; gamma Actin antibody; Polyclonal gamma Actin; Anti-gamma Actin; ACTG1; actin cytoplasmic 2; DFNA20; ACT; DFNA26; ACTG; cytoskeletal gamma-actin; anti-ACTG1 antibody

### PRODUCT SPECIFICATIONS

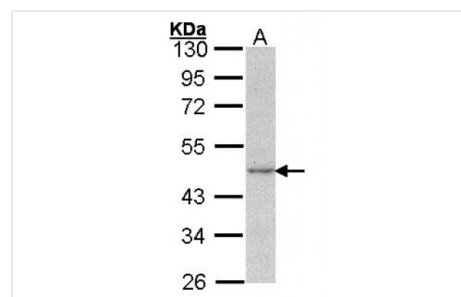
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|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Isotype                                         | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Purity/Purification                             | gamma Actin antibody was purified by antigen-affinity chromatography                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Form/Format                                     | Supplied as a concentrated solution containing 1X PBS, 10% Glycerol (pH 7.0). 0.01% Thimerosal was added as a preservative.                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Concentration                                   | 0.2 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Sequence Length                                 | 375                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Applicable Applications for anti-ACTG1 antibody | WB (Western Blot), IHC (Immunohistochemistry)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Biological Significance                         | Actins are highly conserved proteins that are involved in various types of cell motility, and maintenance of the cytoskeleton. In vertebrates, three main groups of actin isoforms, alpha, beta and gamma have been identified. The alpha actins are found in muscle tissues and are a major constituent of the contractile apparatus. The beta and gamma actins co-exist in most cell types as components of the cytoskeleton, and as mediators of internal cell motility. Actin, gamma 1, encoded by this gene, is a cytoplasmic actin found in nonmuscle cells. |
| Cross-Reactivity                                | Human, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Immunogen                                       | gamma Actin antibody was raised in rabbit using a recombinant protein fragment contain a sequence corresponding to a region within amino acids 1 and 375 of gamma Actin                                                                                                                                                                                                                                                                                                                                                                                            |
| Preparation and Storage                         | Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                            |

### IMAGES



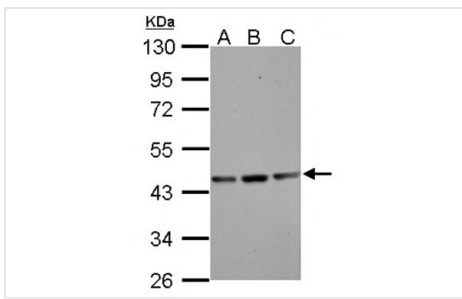
**IHC (Immunohistochemistry)**

Immunohistochemical staining of paraffin-embedded Spleen using gamma Actin antibody



**WB (Western Blot)**

Western blot analysis of 30 ug of whole cell lysate (A: A431) using a 10 % SDS PAGE gel and gamma Actin antibody at a dilution of 1:1000



#### WB (Western Blot)

Western blot analysis of 30 ug of whole cell lysate (A: NIH-3T3; B: JC; C: BCL-1) using a 10 % SDS PAGE gel and gamma Actin antibody at a dilution of 1:1000

## ADDITIONAL INFORMATION

|                                                     |                                                          |
|-----------------------------------------------------|----------------------------------------------------------|
| Related Product Information for anti-ACTG1 antibody | Affinity purified Rabbit polyclonal gamma Actin antibody |
| Product Categories/Family for anti-ACTG1 antibody   | Cell Biology; Purified Polyclonal Antibodies             |

## NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 178043                                                 |
| NCBI GeneID                      | 71                                                     |
| UniProt Accession #              | P63261; P02571; P14104; P99022; Q5U032; Q96E67; A8K7C2 |
| Molecular Weight                 | 42 kDa                                                 |
| NCBI Official Full Name          | gamma-actin                                            |
| NCBI Official Synonym Full Names | actin gamma 1                                          |
| NCBI Official Symbol             | ACTG1                                                  |
| NCBI Official Synonym Symbols    | ACT; ACTG; BRWS2; DFNA20; DFNA26; HEL-176              |
| NCBI Protein Information         | actin, cytoplasmic 2                                   |
| UniProt Protein Name             | Actin, cytoplasmic 2                                   |
| UniProt Gene Name                | <b>ACTG1</b>                                           |
| UniProt Synonym Gene Names       | ACTG                                                   |
| UniProt Entry Name               | ACTG_HUMAN                                             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gamma-actin-antibody-western-blot-immunohistochemistry-elisa/107604>