

## Mouse beta-Actin Monoclonal Antibody

Anti-beta-Actin (BA3R) Loading Control Monoclonal Antibody

| CATALOG # | HOST  | APPLICATIONS                                                                                 |
|-----------|-------|----------------------------------------------------------------------------------------------|
| AAA74306  | Mouse | Western Blot, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, ELISA, Dot Blot |

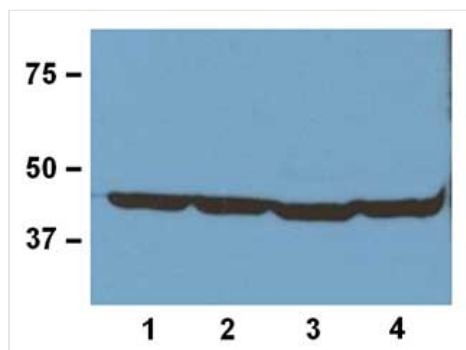
### PRODUCT SYNONYMS

beta-Actin; Monoclonal Antibody; Anti-beta-Actin (BA3R) Loading Control Monoclonal Antibody; Anti-beta-Actin; Anti-b-Actin; anti-beta-Actin antibody

### PRODUCT SPECIFICATIONS

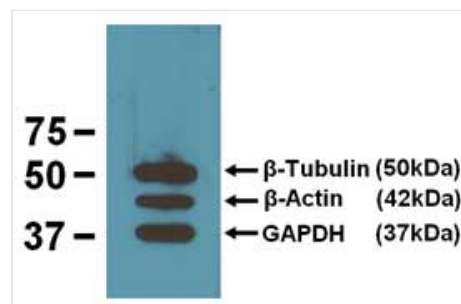
|                                                      |                                                                                                                                                                                                                                            |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                 | Mouse                                                                                                                                                                                                                                      |
| Clonality                                            | Monoclonal                                                                                                                                                                                                                                 |
| Isotype                                              | IgG2b                                                                                                                                                                                                                                      |
| Clone Number                                         | BA3R                                                                                                                                                                                                                                       |
| Specificity                                          | Recognizes native and denatured forms of beta-Actin (~42kDa)                                                                                                                                                                               |
| Purity/Purification                                  | Protein A affinity chromatography from culture supernatant of hybridoma cells grown in a bioreactor.                                                                                                                                       |
| Form/Format                                          | (For units = or > 1.0mg)<br>Liquid: 1mg/mL in 10mM PBS, pH 7.2.                                                                                                                                                                            |
| Sequence Length                                      | 124                                                                                                                                                                                                                                        |
| Applicable Applications for anti-beta-Actin antibody | WB (Western Blot), IS (Immunostaining), ELISA, DB (Dot Blot)                                                                                                                                                                               |
| Immunogen                                            | beta-Actin N-terminal peptide-KLH conjugates                                                                                                                                                                                               |
| Cross Reactivity                                     | beta-Actin from human, mouse, rat, rabbit, and chicken. beta-Actin from other species may also be detectable.                                                                                                                              |
| Preparation and Storage                              | Store at -20 degree C for 2 years or more. Centrifuge after first thaw to maximize product recovery. Aliquot to avoid repeated freeze-thaw cycles. Store aliquots at 4 degree C (add 0.05% NaN3 if not included) for several days to weeks |

### IMAGES



#### Application Data

Fig. 02 1:1000 (1ug/mL) Ab dilution used in WB of 20ug/lane tissue lysates from human (1), mouse (2), rat (3), and rabbit (4)



#### Application Data

Fig. 01 Three loading control mAbs reacting against 10ug/lane of mouse brain tissue lysates. 50kDa band is Anti-beta-Tubulin (BT7R) at 1:2000 dilution (0.5ug/mL); 42kDa band is Anti-beta-Actin (BA3R) at 1:1000 dilution (1ug/mL); 37kDa band is Anti-GAPDH (GA1R) at 1:5000 dilution (0.2ug/mL)

ADDITIONAL INFORMATION

|                                                        |                      |
|--------------------------------------------------------|----------------------|
| Product Categories/Family for anti-beta-Actin antibody | Loading Control mAbs |
|--------------------------------------------------------|----------------------|

NCBI AND UNIPROT INFORMATION

|                         |                     |
|-------------------------|---------------------|
| NCBI GI #               | 409905539           |
| NCBI Official Full Name | beta-actin, partial |

**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/monoclonal/beta-actin-antibody-clone-ba3r-western-blot-immunostaining-dot-blot-elisa/74306>