



# Drosophila Melanogaster $\beta$ -actin Mouse mAb(Mix-mA)

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| <b>Catalog No</b>                  | YP-Ab-04782                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Reactivity</b>                  | Drosophila Melanogaster;Human; Mouse;Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Applications</b>                | IHC;WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Gene Name</b>                   | Drosophila Melanogaster $\beta$ -actin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Immunogen</b>                   | Synthesized peptide derived from human Drosophila Melanogaster $\beta$ -actin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Specificity</b>                 | This antibody detects endogenous levels of Drosophila Melanogaster $\beta$ -actin a Human, Mouse,Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.13% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>                      | Monoclonal, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purification</b>                | The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Dilution</b>                    | IHC-p1:50-200 ,WB 1:1000-2000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Purity</b>                      | $\geq 90\%$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage Stability</b>           | $-20^{\circ}\text{C}/1$ year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Synonyms</b>                    | ACTB;Actin; $\beta$ actin;2D4H5;Actin cytoplasmic 1;Actin $\beta$ ;Drosophila Melanogaster $\beta$ -actin                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Observed Band</b>               | 42kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Calculated Molecular Weight</b> | 42kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Cell Pathway</b>                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Tissue Specificity</b>          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Function</b>                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Background</b>                  | $\beta$ -actin is one of six different actin isoforms that have been identified. The actin molecules found in cells of various species and tissues tend to be very similar in their immunological and physical properties. Therefore, antibodies against $\beta$ -actin are useful as loading controls for Western Blotting. However it should be noted that levels of $\beta$ -actin may not be stable in certain cells. For example, expression o $\beta$ -actin in adipose tissue is very low and therefore $\beta$ -actin should not be used as loading control for these tissues. |

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**

94KD —  
66KD —  
45KD —  
35KD —  
26KD —  
14KD —



Western blot analysis of Drosophila Melanogaster whole body Lysate using Mouse mAb diluted at 1:30,000.