



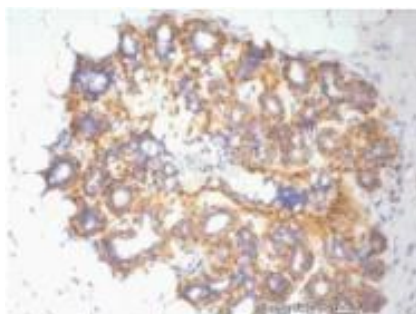
## beta Actin (6F9) Mouse mAb

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No              | YP-nAb-1179                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Isotype                 | IgG1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Reactivity              | Human,Mouse,Rat,Chicken,Dog,Hamster,Monkey,Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Applications            | WB,IHC-P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Alternative Name        | ACTIN; ACTB; BETA-ACTIN; beta actin; actin beta                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Antibody dilution ratio | WB-1:5000-1:10000; IHC-1:50-1:200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SwissProt ID            | P60709                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Host Species            | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Conjugation             | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Modification            | Unmodified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gene ID                 | 60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Gene Name               | ACTB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Clonality               | Monoclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Molecular Weight        | Calculated MW: 42 kDa; Observed MW: 42 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Immunogen               | Synthetic Peptide of $\beta$ -actin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Research Field          | Isotype/Loading Controls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Background              | 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 of beta-Actin in adipose tissue is very low and therefore it should not be used as loading control for these tissues. |
| Purification Method     | Affinity Purified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Form                    | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Storage Buffer          | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Storage Conditions      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

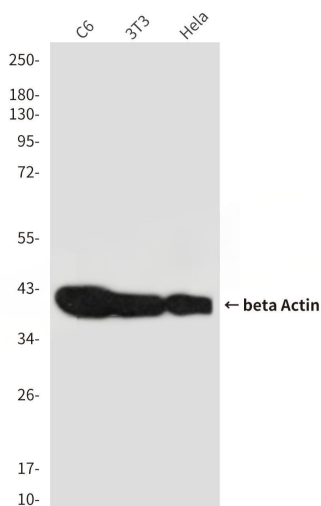




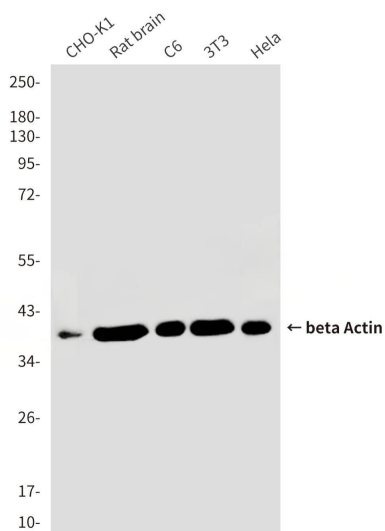
## Products Images



Immunohistochemistry analysis of paraffin-embedded Human ovary tissue using beta Actin (6F9) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of  $\beta$  Actin in C6, 3T3, HeLa lysates using  $\beta$  Actin (6F9) antibody.



Western blot analysis of  $\beta$  Actin (6F9) in CHO-K1, rat brain, C6, 3T3, HeLa lysates using  $\beta$  Actin (6F9) antibody.

