

Anti-Beta Actin (8F10) Mouse Monoclonal Antibody

Introduction

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.

Product parameters

| | |
|-------------------|---|
| Alternative Names | ACTIN; ACTB; BETA-ACTIN; beta actin; actin beta |
| Gene ID | 60 |
| Gene Name | ACTB |
| SwissProt ID | P60709 |
| Host | Mouse |
| Reactivity | Human, Mouse, Monkey, Goat, Rat, Hamster, Saccharomyces cerevisiae, Arabidopsis, Pichia pastoris, Rabbit, Zebrafish, Drosophila |
| Molecular Weight | Calculated MW: 42 kDa; Observed MW: 42 kDa |
| Conjugation | Unconjugated |
| Ex | - |
| Em | - |
| Modification | Unmodified |
| Clonality | IgG2b |
| Isotype | Monoclonal Antibody |
| Clonality No. | AP-15A1B5 |
| Form | Liquid |
| Concentration | See label |
| Carrier | Carrier Not Free |
| Immunogen | Purified recombinant human beta actin protein fragments expressed in E.coli. |
| Purification | Affinity Purified |
| Buffer System | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. |

| | |
|--------------------|----------------------------------|
| Application | WB |
| Dilution Ratio | WB: 1/5000-1/10000 |
| Research Field | Cell Biology |
| Product Categories | Primary antibody |
| Shipping | Blue ice |
| Storage | -20°C |
| Expiration Date | 12 months |
| Note | Please avoid freeze-thaw cycles. |

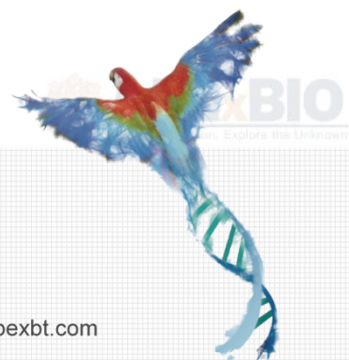
Protocol

Configure the product according to the application range and recommended dilution ratio.

***Note:** The primary antibody dilution buffer options: WB - Primary Antibody Dilution Buffer (Cat. #: K1200, Not for HRP/AP conjugated antibodies), Immunostaining - Immunol Staining Primary Antibody Dilution Solution (Cat. #: K4655).

Note

1. This product is for scientific research use only.



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