

Mouse anti-Beta-actin (BA3R), MM-0164-P

DATASHEET

Product name: β -actin antibody

Background information: β -actin (gene name ACTB) is one of six different actin isoforms which have been identified in humans. This is one of the two non-muscle cytoskeletal actins. Actins are highly conserved proteins that are involved in cell motility, structure and integrity. The β -actin gene is often stably and constitutively expressed at high levels in most tissues and cells. Proteins such as β -actin, involved in maintenance of basic cellular function, are often referred to as housekeeping proteins. Housekeeping proteins are frequently used as loading controls for western blots and protein normalization.

Product Description: A highly specific and sensitive antibody against β -actin.

Format: 100 μ g of lyophilized purified antibody from mouse ascites. **Reconstitute in 100 μ l of distilled H₂O for 1 μ g/ μ l.** It contains no additives.

Species: Mouse

Clonality: Monoclonal

Isotype: IgG2b

Reactivity / Specificity: The antibody recognizes native and denatured forms of β -Actin (~42kDa) Specific for: human, mouse, rat, rabbit, chicken; other species not tested.

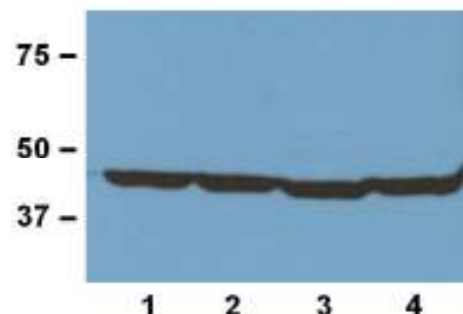
Applications: Western Blot (WB), Immunohistochemistry (IHC), Dot Blot (Dot), ELISA (E)

Recommended starting dilutions: If reconstituted in 100 μ l: WB 1:1000-3000, IHC determined by the user.

Storage: Lyophilized antibody can be kept at 4°C for up to 3 months and should be kept at -20°C for long-term storage. To avoid freeze-thaw cycles, reconstituted antibody should be aliquoted before freezing for short-term storage (-20°C) or for long-term storage (-80°C). For maximum recovery of product, centrifuge the original vial prior to removing the cap. Further dilutions can be made in assay buffer.

Stability: Minimum 1 year from reception date.

Limitations: This product is to be used for research purposes only.



Western blot analyze of β -actin expression in liver tissue lysates. Human (1), mouse (2), rat (3) and rabbit (4).