

MonoRab™ Beta-Actin Antibody, mAb, Rabbit

PRODUCT INFORMATION

Description

Beta-actin is one of the 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. As a consequence, it has been difficult to produce potent antisera against this protein. Therefore, the availability of monoclonal antibodies to β -actin provides a useful and specific tool in the study of the intracellular distribution of β -actin and the static and dynamic aspects of the cytoskeleton.

GenScript MonoRab™ Beta-Actin Antibody, mAb, Rabbit is produced from a hybridoma resulting from the fusion of partner and B-lymphocytes obtained from a rabbit immunized with a synthetic peptide coupled to KLH.

Specificity

GenScript MonoRab™ Beta-Actin Antibody, mAb, Rabbit reacts with mouse, human, hamster, and rat. It has not yet been tested in other species.

Concentration

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide. (It could be customized for bulk order.)

Note

GenScript can customize this product per customer's request including product size, buffer components, etc.

Reconstitution

Reconstitute the lyophilized antibody with deionized water (or equivalent) to a final concentration of 0.5 mg/ml.

Storage

The lyophilized product remains stable up to 1 year at -20 °C from date of receipt. Upon reconstitution, it can be stored for 2-3 weeks at 2-8 °C or for up to 12 months at -20 °C or below. Avoid repeated freezing and thawing cycles.

Applications

Working concentrations for specific applications should be determined by the investigators. The appropriate concentrations may be affected by primary/secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

Western Blotting: 1:1,000-1:5,000

ELISA: 1:5,000-1:10,000

Other applications: user-optimized

Optimal working dilutions must be determined by the end user.

Cat. No.: A01865-40

Host: Rabbit

Size: 40 μ g

Ig Subclass: IgG

Clone: 79E2D7

Immunogen: A synthetic peptide coupled to KLH

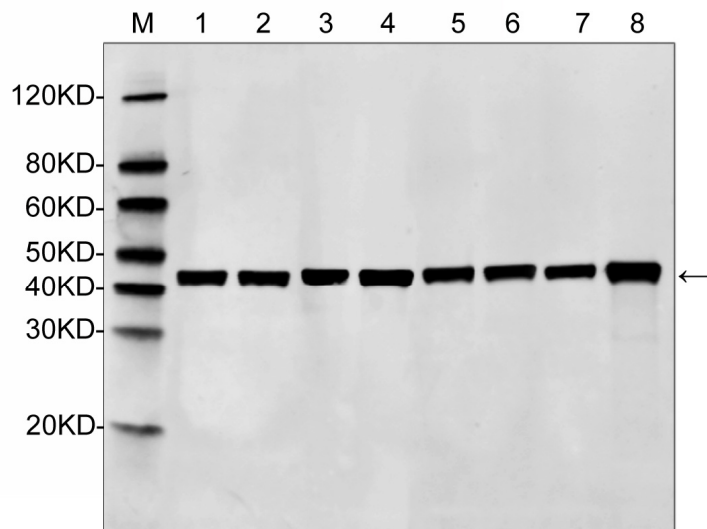
Purification: Protein A affinity column

Conjugation: Unconjugated

Version: 05/18/2017

** For non-clinical research use only. **

860 Centennial Ave., Piscataway, NJ 08854, USA

Example


Western Blot analysis of MonoRab™ Beta-Actin Antibody, mAb, Rabbit (GenScript) with various immunoglobulins.

Lane 1: 10µg HeLa cell Lysate

Lane 2: 10µg CHO cell Lysate

Lane 3: 10µg HepG2 cell Lysate

Lane 4: 10µg HEK293 cell Lysate

Lane 5: 10µg Romas cell Lysate

Lane 6: 10µg SP20 cell Lysate

Lane 7: 10µg Rat Liver tissue lysate

Lane 8: 10µg Mouse spleen tissue lysate

Primary Antibody:

MonoRab™ Beta-Actin Antibody, mAb, Rabbit 0.2µg/ml

Secondary Antibody:

Goat anti-Rabbit IgG (H&L) [IRDye⁸⁰⁰] (Licor,926-32211) 0.125µg

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