

Product No. A-2668
Lot 017H4851

Anti-Actin
Developed in Rabbit
Delipidized Whole Antiserum

Anti-Actin is developed in rabbit using actin isolated from chicken back muscle as the immunogen. The antiserum has been treated to remove lipoproteins. Rabbit Anti-Actin is supplied as a liquid containing 0.1% sodium azide (see MSDS)* as preservative.

Specificity

Rabbit Anti-Actin reacts with pure actin by counter immunoelectrophoresis. By indirect immunofluorescent labeling, it reacts with the stress fibers of cultured fibroblasts from chicken, mouse, rat or human. Rabbit Anti-Actin also stains the I-bands of stretched skeletal muscle.

Protein Concentration: 89.4 mg/ml by Biuret.

Working Dilution

A working dilution of 1:40 was determined by indirect immunofluorescent labeling of cultured chicken fibroblasts.

In order to obtain best results, it is recommended that each individual user determine their optimum working dilution by titration assay.

Description

Actin is the major constituent of thin filaments in muscle and of the microfilaments in non-muscle cells. It is present in all eukaryotic cells and its organization may vary from one cell to another depending on the origin of the cell and its physiological state. Actin exists as either of two major forms, a monomeric form (G-actin) or in a filamentous form (F-actin).

Storage

For continuous use, store at 2-8°C. For extended storage, the solution may be frozen in working aliquots. Repeated freezing and thawing is **not** recommended. Storage in "frost-free" freezers is **not** recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use.

*Due to the sodium azide content a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Consult the MSDS for information regarding hazards and safe handling practices.