

# Actin (Rabbit Skeletal Muscle) Lysate

Cat. # AL8011

Size 100  $\mu$ l

## **Lysate Preparation:**

Actin is a major cytoskeletal protein involved in diverse cellular functions including cell motility, adhesion, and morphology. Six different actin isoforms have been identified in vertebrates. There are four  $\alpha$  isoforms: skeletal, cardiac, and two smooth muscle (enteric and aortic) actins, along with two cytoplasmic actins ( $\beta$  and  $\gamma$ ). Actin exists in two principal forms, globular, monomeric (G) actin, and filamentous polymeric (F) actin.

For preparation of actin lysate, purified rabbit skeletal muscle actin was quantified using the BCA method (Pierce) before diluting to the final concentration in gel electrophoresis sample buffer.

## **Buffer and Storage:**

Actin Lysate is supplied at a concentration of 20 ng/ $\mu$ l in electrophoresis sample buffer (62.5 mM Tris pH 6.8, 2% SDS, 5% glycerol, 0.003% bromophenol blue, 0.9%  $\beta$ -mercaptoethanol). Store at  $-20^{\circ}\text{C}$ . Do not boil or dilute. Stable for 1 year.

## **Applications:**

WB 10  $\mu$ l/lane

End user should determine optimal quantity for their particular applications and experiments.

## **Related Products:**

AM2021 Actin (C-terminal region) Mouse Monoclonal  
AP1651 Actin (N-terminal Region) Rabbit Polyclonal  
AP1671 Actin (Tyr-53), phospho-specific Rabbit Polyclonal  
TM1541  $\beta$ -Tubulin Mouse Monoclonal  
TP1721  $\beta$ -Tubulin (Ser-172), phospho-specific Rabbit Polyclonal  
TP1811 unphosphorylated  $\beta$ III-Tubulin (Ser-444) Rabbit Polyclonal

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