

Product Datasheet

Chickens make *better* antibodies.

Anti-Actin (Nitrocellulose Membrane Loading Control) Antibody

Overview

Catalog #	ACT-1010 (100 µL size) or ACT-1040 (400 µL size)
Concentration	10 mg/mL
Host Species	Chicken Polyclonal
Format	Mixture of IgY fraction and affinity-purified antibodies
Buffer	Sodium phosphate (10 mM, pH 7.2) buffered isotonic saline (0.9%, w/v), glycerol (50%, v/v), with sodium azide (0.02%, w/v) as an anti-microbial agent.
Applications	WB 1:1,000-1:2,000
Species Reactivity	Human, Mouse, and Rat
Immunogen	Actin purified from rabbit muscle
Molecular Weight	42 kDa
Cite this Antibody	Aves Labs Cat# ACT-1010, or Aves Labs Cat# ACT-1040; RRID: AB_2313504

Images



β-Actin Loading Control for Westerns using Nitrocellulose Membranes; 3 Lanes loaded with mouse muscle homogenate (5 µg total protein, 10 µg total protein, 20 µg total protein); primary antibody -- ACT (1:1000); secondary antibody -- HRP Goat anti-chicken IgY (Aves Labs, 1:2000)

Details

Target Description	Purified actin (42 kDa) isolated from rabbit muscle
Purification Method	Chickens were immunized with purified actin from rabbit muscle emulsified in Freund's adjuvants. After multiple injections, eggs were collected from the hens, IgY fractions were prepared from the yolks, and then affinity-purified antibodies were prepared using actin conjugated to an agarose matrix. The final product is a mixture of both affinity-purified antibodies (25 µg/mL) and purified IgY (10 mg/mL), mixed with glycerol 1:1 (v/v) (to prevent freezing at -20°C), augmented with sodium azide and then filter-sterilized.

Quality Control Tests

This anti-actin IgY preparation was analyzed by western blot analysis (at a dilution of 1:2000) using HRP-labeled goat anti-chicken IgY (1:5000 dilution, Aves Labs Cat.# H-1004) as the secondary reagent.

Storage

Store at -20°C in the dark. Under these conditions, the antibodies should have a shelf life of at least twelve months, provided they remain sterile.

Our Guarantee

As an original manufacturer, we are dedicated to creating quality and reproducible antibodies that further your research. We provide personalized customer support from the scientists that made the antibody and offer a free replacement or 100% refund if we cannot resolve an issue. Order today and experience how chickens make better antibodies.

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