

Resource Summary Report

Generated by [RRID](#) on Sep 1, 2026

beta-Actin Antibody (AC-15)

RRID:AB_10077656

Type: Antibody

Proper Citation

Novus Cat# NB600-501, RRID:AB_10077656

Antibody Information

URL: http://antibodyregistry.org/AB_10077656

Proper Citation: Novus Cat# NB600-501, RRID:AB_10077656

Target Antigen: beta-Actin

Host Organism: Mouse

Clonality: monoclonal

Comments: Applications: Western Blot, Simple Western, Flow Cytometry, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Chromatin Immunoprecipitation (ChIP), Knockout Validated, Knockdown Validated Consolidated with AB_1643849, AB_2223366, AB_2273660, and AB_1236727 on 08/02/16

Antibody Name: beta-Actin Antibody (AC-15)

Description: This monoclonal targets beta-Actin

Target Organism: Human, Porcine, Drosophila (Negative), Rat, Bovine, Feline, Rabbit, Zebrafish, Canine, Leech, Mammal, Guinea Pig, Turkey, Mouse, Fish, Primate, Sheep, Chicken, Squirrel, Hamster

Clone ID: AC-15

Antibody ID: AB_10077656

Vendor: Novus

Catalog Number: NB600-501

Alternative Catalog Numbers: NB600-501SS

Record Creation Time: 20250819T214627+0000

Record Last Update: 20250820T000300+0000

Ratings and Alerts

No rating or validation information has been found for beta-Actin Antibody (AC-15).

No alerts have been found for beta-Actin Antibody (AC-15).

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 22 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Peng WH, et al. (2025) Dynamic Expression of ?-Internexin in the Chicken Pineal Gland: A Study of Developmental, Structural, and Functional Roles. Journal of morphology, 286(9), e70081.

Cottarelli A, et al. (2025) Rab7a is required to degrade select blood-brain barrier junctional proteins after ischemic stroke. Acta neuropathologica communications, 13(1), 203.

Li J, et al. (2025) Inhibition of GABARAP or GABARAPL1 prevents aminoglycoside-induced hearing loss. Proceedings of the National Academy of Sciences of the United States of America, 122(7), e2416453122.

Pao YS, et al. (2025) KIF2C promotes paclitaxel resistance by depolymerizing polyglutamylated microtubules. Developmental cell, 60(15), 2097.

Kuo CY, et al. (2025) The protective effects of liraglutide in reducing lipid droplets accumulation and myocardial fibrosis in diabetic cardiomyopathy. Cellular and molecular life sciences : CMLS, 82(1), 39.

Hu SW, et al. (2025) Co-targeting CDK4/6 enhances anti-cancer activity and alleviates immune-related adverse events of anti-PD-1 antibody for breast cancer. Cell reports. Medicine, 6(11), 102429.

De Leonibus C, et al. (2024) Sestrin2 drives ER-phagy in response to protein misfolding. Developmental cell, 59(16), 2035.

EswarKumar N, et al. (2023) An integrative approach unveils a distal encounter site for rPTP? and phospho-Src complex formation. Structure (London, England : 1993), 31(12), 1567.

Byts N, et al. (2022) Inactivation of mouse transmembrane prolyl 4-hydroxylase increases blood brain barrier permeability and ischemia-induced cerebral neuroinflammation. *The Journal of biological chemistry*, 298(3), 101721.

Biswas S, et al. (2022) Mural Wnt/ β -catenin signaling regulates Lama2 expression to promote neurovascular unit maturation. *Development (Cambridge, England)*, 149(17).

Song L, et al. (2022) Hotspot mutations in the structured ENL YEATS domain link aberrant transcriptional condensates and cancer. *Molecular cell*, 82(21), 4080.

Xu J, et al. (2022) Excess neuropeptides in lung signal through endothelial cells to impair gas exchange. *Developmental cell*, 57(7), 839.

Patel S, et al. (2022) Cytoplasmic proteotoxicity regulates HRI-dependent phosphorylation of eIF2 γ via the Hsp70-Bag3 module. *iScience*, 25(5), 104282.

Tiberti M, et al. (2022) The Cancermuts software package for the prioritization of missense cancer variants: a case study of AMBRA1 in melanoma. *Cell death & disease*, 13(10), 872.

Laoukili J, et al. (2022) BRAFV600E in colorectal cancer reduces sensitivity to oxidative stress and promotes site-specific metastasis by stimulating glutathione synthesis. *Cell reports*, 41(9), 111728.

Roney JC, et al. (2021) Lipid-mediated motor-adaptor sequestration impairs axonal lysosome delivery leading to autophagic stress and dystrophy in Niemann-Pick type C. *Developmental cell*, 56(10), 1452.

Liao GR, et al. (2021) The orf virus (ORFV) protein OV20.0 interacts with the microprocessor complex subunit DGCR8 to regulate miRNA biogenesis and ORFV infection. *FEBS letters*, 595(23), 2897.

Adiliaghdam F, et al. (2020) A Requirement for Argonaute 4 in Mammalian Antiviral Defense. *Cell reports*, 30(6), 1690.

Hsieh M, et al. (2019) Protective roles of carbonic anhydrase 8 in Machado-Joseph Disease. *Journal of neuroscience research*, 97(10), 1278.

Hordyjewska-Kowalczyk E, et al. (2019) Functional analysis of novel RUNX2 mutations identified in patients with cleidocranial dysplasia. *Clinical genetics*, 96(5), 429.