

# Resource Summary Report

Generated by [RRID](#) on Sep 11, 2026

## beta Actin antibody - Loading Control

RRID:AB\_2305186

Type: Antibody

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### Proper Citation

Abcam Cat# ab8227, RRID:AB\_2305186

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### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_2305186](http://antibodyregistry.org/AB_2305186)

**Proper Citation:** Abcam Cat# ab8227, RRID:AB\_2305186

**Target Antigen:** ACTB

**Host Organism:** rabbit

**Clonality:** polyclonal

**Comments:** validation status unknown, seller recommendations provided in 2012:western blot, ELISA, immunoprecipitation, immunohistochemistry, immunocytochemistry

**Antibody Name:** beta Actin antibody - Loading Control

**Description:** This polyclonal targets ACTB

**Target Organism:** chicken, cow, mouse, dog, human

**Antibody ID:** AB\_2305186

**Vendor:** Abcam

**Catalog Number:** ab8227

**Record Creation Time:** 20231110T045158+0000

**Record Last Update:** 20260829T093510+0000

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### Ratings and Alerts

No rating or validation information has been found for beta Actin antibody - Loading Control.

No alerts have been found for beta Actin antibody - Loading Control.

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## Data and Source Information

**Source:** [Antibody Registry](#)

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## Usage and Citation Metrics

We found 350 mentions in open access literature.

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

Rivera M, et al. (2026) APOBEC3B enhances the efficacy of PARP inhibitors in elimination of ovarian cancer stem cell. Scientific reports, 16(1), 5194.

Dai Y, et al. (2026) Silencing the fibronectin gene (FN1) improves NaCl-induced cardiac fibrosis via ferritinophagy-mediated ferroptosis in a nuclear receptor coactivator 4 (NCOA4)-dependent manner. British journal of pharmacology, 183(3), 581.

Yao J, et al. (2026) Molecular mechanism of hydromorphone preconditioning in cerebral ischemia/reperfusion?induced inflammatory injury. International journal of molecular medicine, 58(2).

Ghirotto B, et al. (2026) TNF alpha unmasks enteric malate aspartate shuttle dysfunction bridging Parkinson disease and intestinal inflammation. Nature communications, 17(1).

Fan M, et al. (2026) Genistein-3'-sodium sulfonate improves neuroinflammation, blood-brain barrier function, and microglial activation after chronic cerebral hypoperfusion by regulating TGR5. Metabolic brain disease, 41(1).

Chen X, et al. (2026) Fat mass and obesity-mediated N<sup>6</sup>-methyladenosine modification modulates neuroinflammatory responses after traumatic brain injury. Neural regeneration research, 21(2), 730.

Feng G, et al. (2026) Mild hypothermia inhibits the inflammatory response and microglial M1 polarization in ischemic stroke via the EFNB2/EphB4 pathway. Metabolic brain disease, 41(1).

Zhang Y, et al. (2026) Macrophage-Targeted Nanocarriers Based on Tetrahedral DNA Nanostructure Alleviate Sepsis-Induced Acute Lung Injury by Triple-Pathway Suppression of Pyroptosis. ACS applied materials & interfaces, 18(14), 20128.

Ma J, et al. (2026) Paired pre- and post-transplant human immunoprofiling identifies an IFN- $\gamma$ -JAK1 axis limiting stem-cell-derived RPE engraftment. Cell stem cell, 33(7), 1127.

Ishikawa KI, et al. (2026) Suppression of ATM kinase signaling accelerates cellular senescence. Stem cell reports, 21(7), 102956.

Hasanzadeh M, et al. (2026) Bromelain administration improves learning and memory, reduces astrogliosis, and increases BDNF expression in rats with thioacetamide-induced hepatic encephalopathy model. Neuropeptides, 118, 102641.

Schulz A, et al. (2026) LAMA5 links extracellular matrix organization to a candidate WNT-associated endothelial signaling niche during human chondrogenesis. *iScience*, 29(8), 116687.

Zhao L, et al. (2026) Iturin derived from *Bacillus* modulates lipid and glucose metabolism while mitigating the progression of MASLD. *iScience*, 29(4), 115470.

Zhang R, et al. (2026) Covalent modification of a glutamic acid inspired by HaloTag technology. *Nature communications*, 17(1), 1257.

Dong Z, et al. (2026) Molecular Mechanism of NSUN6-Mediated Epigenetic Modifications in the Malignant Progression of Colorectal Cancer Cells. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 40(10), e71883.

Postlmayr A, et al. (2026) Functionally distinct ALK and ROS1 fusions detected in infant-type hemispheric gliomas converge on STAT3 and SHP2 activation. *Cell reports*, 45(3), 117046.

Zheng L, et al. (2026) Type I unconventional protein secretion of the SARS-CoV-2 nucleocapsid protein promotes inflammatory cytokine release. *Cell reports*, 45(7), 117613.

Kuno M, et al. (2026) PTP1B deficiency in the reward system suppressed the rewarding value of a high-fat diet. *Brain research bulletin*, 244, 112042.

Padmanabhan N, et al. (2026) Neurexin-1 $\beta$  drives synaptic transmission through structural integration of neurotransmitter release machinery and postsynaptic receptor nanodomains. *Neuron*.

An P, et al. (2026) Repression of Polycomb Group Factor 1 Inhibits EMT Progression in Colon Cancers Cells via Wnt/ $\beta$ -Catenin and PI3K/Akt/mTOR Signaling Pathway. *Digestive diseases and sciences*.