

Resource Summary Report

Generated by [RRID](#) on Aug 10, 2026

BiP (C50B12) Rabbit mAb

RRID:AB_2119845

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 3177, RRID:AB_2119845

Antibody Information

URL: http://antibodyregistry.org/AB_2119845

Proper Citation: Cell Signaling Technology Cat# 3177, RRID:AB_2119845

Target Antigen: Hspa5

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IHC-P, IHC-F, F. Consolidation on 10/2018: AB_10200176, AB_10828008, AB_2119845.

Antibody Name: BiP (C50B12) Rabbit mAb

Description: This monoclonal targets Hspa5

Target Organism: mouse, human

Antibody ID: AB_2119845

Vendor: Cell Signaling Technology

Catalog Number: 3177

Record Creation Time: 20250820T062125+0000

Record Last Update: 20250820T235337+0000

Ratings and Alerts

- Used for immunofluorescence microscopy assay by the Human Islet Research Network community. Contact(s): [Mark Mamula](#), [Carmella Evans-Molina](#) - Human

No alerts have been found for BiP (C50B12) Rabbit mAb.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 136 mentions in open access literature.

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

Cao J, et al. (2026) Calcium-mediated calreticulin-IRE1 γ interaction drives dynamic fluctuation of IRE1 γ activity under chronic endoplasmic reticulum stress. Nature communications, 17(1).

Guo Q, et al. (2026) Human GBP4 promotes TRIM21-BIP-dependent autophagy to restrict M. tuberculosis infection by preventing SORT1-mediated progranulin degradation. Cell reports, 45(8), 117739.

Fu Y, et al. (2026) ALG6 orchestrates coronavirus replication via the endoplasmic reticulum stress-autophagy axis. Cell reports, 45(4), 117108.

Gu Z, et al. (2026) Wntless degradation mediated by CaMKII inhibition drives endoplasmic reticulum stress and apoptosis. Cell reports, 45(4), 117256.

Rodrigues SD, et al. (2026) Suppression of de novo lipogenesis and dietary PUFA supplementation inhibit prostate cancer progression. bioRxiv : the preprint server for biology.

Xu Y, et al. (2026) IRE1 γ regulates macrophage phagocytosis in immune thrombocytopenia through NR1D1 mRNA decay and lysosomal biogenesis. Cell reports, 45(3), 117083.

Cai W, et al. (2026) Sodium valproate induces pancreatic injury by disruption of one-carbon metabolism. British journal of pharmacology, 183(13), 3829.

Mitra T, et al. (2026) MEK-dependent bioenergetic demand drives terminal CD8⁺ T cell exhaustion. Immunity.

Wang HL, et al. (2026) Loss-of-Function (G603R) Lrp10 Fails to Downregulate mRNA of Pathologic α -Synuclein and Causes Neurodegeneration of Substantia Nigra Dopaminergic Cells in Parkinson's Disease Knockin Mice. Neurochemical research, 51(3).

Liu S, et al. (2026) Cholesterol-Mediated Metabolic-mechanotransductive Crosstalk Orchestrates Castration Resistance in Prostate Cancer. Advanced science (Weinheim, Baden-Wurttemberg, Germany), e75977.

Ren H, et al. (2026) MSMO1 promotes chemotherapy resistance through modulation of T-MAS metabolism via PERK/eIF2 α /ATF4/CHOP pathway. *iScience*, 29(3), 114790.

Chen B, et al. (2026) BRD4-mediated ER membrane contact creates functionally distinct mitochondrial subtypes. *Molecular cell*, 86(5), 917.

Ma YS, et al. (2026) Triptolide enhances anti-cancer activities of irinotecan in human colon cancer HT-29 cells in vitro and HT-29 cell xenograft tumor model in nude mice. *Integrative cancer therapies*, 25, 15347354261448871.

Tao Y, et al. (2026) TENT5A Maintains MYC mRNA Stability to Enhance Osteosarcoma Stemness. *Cancer research*, 86(9), 2161.

Kosz $\acute{a}$ O, et al. (2026) Dual-action strategy to reprogram chaperone activity for α -synuclein aggregate clearance in Parkinson's disease. *International journal of biological macromolecules*, 347, 150730.

Nössing C, et al. (2026) Species-specific cleavage of the autophagy adaptor p62 dictates responses to TNF. *Molecular cell*, 86(8), 1574.

Nie T, et al. (2026) Cytoplasmic RNase III Drosha controls lipogenesis by noncanonical regulation of SREBP1. *Molecular cell*, 86(9), 1762.

Bhattacharya A, et al. (2026) Exosomal misfolded α 1-antitrypsin triggers a cytosolic GRP78-dependent unfolded protein response and pro-survival signaling in pre-metastatic tissues. *The Journal of biological chemistry*, 302(8), 113282.

Silva TF, et al. (2025) Extracellular vesicle heterogeneity through the lens of multiomics. *Cell reports. Medicine*, 6(7), 102161.

Chen MY, et al. (2025) BAG2 releases SAMD4B upon sensing of arginine deficiency to promote tumor cell survival. *Molecular cell*, 85(13), 2581.