

Resource Summary Report

Generated by [RRID](#) on Aug 7, 2026

IP3R-3

RRID:AB_397704

Type: Antibody

Proper Citation

BD Biosciences Cat# 610312, RRID:AB_397704

Antibody Information

URL: http://antibodyregistry.org/AB_397704

Proper Citation: BD Biosciences Cat# 610312, RRID:AB_397704

Target Antigen: IP3R-3

Host Organism: mouse

Clonality: monoclonal

Comments: Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Western blot

Antibody Name: IP3R-3

Description: This monoclonal targets IP3R-3

Target Organism: rat, canine, mouse, bovine, dog, human

Antibody ID: AB_397704

Vendor: BD Biosciences

Catalog Number: 610312

Record Creation Time: 20250819T221934+0000

Record Last Update: 20250820T015012+0000

Ratings and Alerts

No rating or validation information has been found for IP3R-3.

No alerts have been found for IP3R-3.

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](#) .

Acosta AA, et al. (2026) Chronic semaglutide alters ingestive behavior without impairing taste function in mice. *Molecular metabolism*, 110, 102410.

Zavala MR, et al. (2026) An INF2-dependent actin-mediated step in inositol 1,4,5-trisphosphate receptor cluster formation and activity. *Current biology : CB*, 36(12), 3088.

Raby A, et al. (2024) Spastin regulates ER-mitochondrial contact sites and mitochondrial homeostasis. *iScience*, 27(9), 110683.

Bertino F, et al. (2024) Dysregulation of FLVCR1a-dependent mitochondrial calcium handling in neural progenitors causes congenital hydrocephalus. *Cell reports. Medicine*, 5(7), 101647.

Ohmoto M, et al. (2023) A Transcription Factor Etv1/Er81 Is Involved in the Differentiation of Sweet, Umami, and Sodium Taste Cells. *eNeuro*, 10(4).

Santana Nunez D, et al. (2023) Piezo1 induces endothelial responses to shear stress via soluble adenylyl Cyclase-IP3R2 circuit. *iScience*, 26(5), 106661.

Combot Y, et al. (2022) Seipin localizes at endoplasmic-reticulum-mitochondria contact sites to control mitochondrial calcium import and metabolism in adipocytes. *Cell reports*, 38(2), 110213.

Tang H, et al. (2022) IP3R-mediated Ca²⁺ signaling controls B cell proliferation through metabolic reprogramming. *iScience*, 25(5), 104209.

Ito M, et al. (2022) Morphology and chemical characteristics of taste buds associated with P2X3-immunoreactive afferent nerve endings in the rat incise papilla. *Journal of anatomy*, 240(4), 688.

Vaena S, et al. (2021) Aging-dependent mitochondrial dysfunction mediated by ceramide signaling inhibits antitumor T cell response. *Cell reports*, 35(5), 109076.

Bhattacharyya R, et al. (2021) Axonal generation of amyloid- β from palmitoylated APP in mitochondria-associated endoplasmic reticulum membranes. *Cell reports*, 35(7), 109134.

Yamamoto Y, et al. (2021) Morphology of GNAT3-immunoreactive chemosensory cells in the nasal cavity and pharynx of the rat. *Journal of anatomy*, 239(2), 290.

Vais H, et al. (2020) ER-luminal [Ca²⁺] regulation of InsP3 receptor gating mediated by an ER-luminal peripheral Ca²⁺-binding protein. *eLife*, 9.

Ohmoto M, et al. (2020) Sodium-Taste Cells Require Skn-1a for Generation and Share Molecular Features with Sweet, Umami, and Bitter Taste Cells. *eNeuro*, 7(6).

Ogata T, et al. (2020) Quantitative Analysis of Taste Bud Cell Numbers in the Circumvallate and Foliate Taste Buds of Mice. *Chemical senses*, 45(4), 261.

Kuchay S, et al. (2018) NS5A Promotes Constitutive Degradation of IP3R3 to Counteract Apoptosis Induced by Hepatitis C Virus. *Cell reports*, 25(4), 833.

Atakpa P, et al. (2018) IP3 Receptors Preferentially Associate with ER-Lysosome Contact Sites and Selectively Deliver Ca²⁺ to Lysosomes. *Cell reports*, 25(11), 3180.

Weng PL, et al. (2018) Limited Regeneration of Adult Salivary Glands after Severe Injury Involves Cellular Plasticity. *Cell reports*, 24(6), 1464.

Filadi R, et al. (2018) TOM70 Sustains Cell Bioenergetics by Promoting IP3R3-Mediated ER to Mitochondria Ca²⁺ Transfer. *Current biology : CB*, 28(3), 369.

D'Eletto M, et al. (2018) Transglutaminase Type 2 Regulates ER-Mitochondria Contact Sites by Interacting with GRP75. *Cell reports*, 25(13), 3573.