

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

ATPase, (Na(+)) K(+)) alpha subunit

RRID:AB_2166869

Type: Antibody

Proper Citation

DSHB Cat# a5, RRID:AB_2166869

Antibody Information

URL: http://antibodyregistry.org/AB_2166869

Proper Citation: DSHB Cat# a5, RRID:AB_2166869

Target Antigen: POLG

Host Organism: mouse

Clonality: monoclonal

Comments: Useful for

Antibody Name: ATPase, (Na(+)) K(+)) alpha subunit

Description: This monoclonal targets POLG

Target Organism: chicken

Antibody ID: AB_2166869

Vendor: DSHB

Catalog Number: a5

Record Creation Time: 20250819T220735+0000

Record Last Update: 20250820T011132+0000

Ratings and Alerts

No rating or validation information has been found for ATPase, (Na(+)) K(+)) alpha subunit.

No alerts have been found for ATPase, (Na(+)) K(+)) alpha subunit.

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 [NIF](#) .

Tzou FY, et al. (2025) Dihydroceramide desaturase modulates autolysosome maturation and ameliorates CRB1 retinopathy. *Biochimica et biophysica acta. Molecular basis of disease*, 1871(5), 167736.

Popp TE, et al. (2024) Evolution of ion transporter Na⁺/K⁺-ATPase expression in the osmoregulatory maxillary glands of an invasive copepod. *iScience*, 27(7), 110278.

Sastry L, et al. (2024) Proximity labeling reveals interactions necessary to maintain the distinct apical domains of *Drosophila* photoreceptors. *Journal of cell science*, 137(23).

Robert SM, et al. (2023) The choroid plexus links innate immunity to CSF dysregulation in hydrocephalus. *Cell*, 186(4), 764.

Kaneshiro N, et al. (2022) Lipid flippase dysfunction as a therapeutic target for endosomal anomalies in Alzheimer's disease. *iScience*, 25(3), 103869.

Taguchi K, et al. (2022) Cyclin G1 induces maladaptive proximal tubule cell dedifferentiation and renal fibrosis through CDK5 activation. *The Journal of clinical investigation*, 132(23).

Lambert E, et al. (2022) The Alzheimer susceptibility gene BIN1 induces isoform-dependent neurotoxicity through early endosome defects. *Acta neuropathologica communications*, 10(1), 4.

Mohammadi S, et al. (2022) Epistatic Effects Between Amino Acid Insertions and Substitutions Mediate Toxin resistance of Vertebrate Na⁺,K⁺-ATPases. *Molecular biology and evolution*, 39(12).

Carnazza KE, et al. (2022) Synaptic vesicle binding of α -synuclein is modulated by α - and β -synucleins. *Cell reports*, 39(2), 110675.

Mohammadi S, et al. (2021) Concerted evolution reveals co-adapted amino acid substitutions in Na⁺K⁺-ATPase of frogs that prey on toxic toads. *Current biology : CB*, 31(12), 2530.

Tzou FY, et al. (2021) Dihydroceramide desaturase regulates the compartmentalization of Rac1 for neuronal oxidative stress. *Cell reports*, 35(2), 108972.

Barany A, et al. (2021) Corticosteroid control of Na⁺/K⁺-ATPase in the intestine of the sea lamprey (*Petromyzon marinus*). *General and comparative endocrinology*, 307, 113756.

Peloggia J, et al. (2021) Adaptive cell invasion maintains lateral line organ homeostasis in response to environmental changes. *Developmental cell*, 56(9), 1296.

Taguchi K, et al. (2021) Quantitative super-resolution microscopy reveals promoting mitochondrial interconnectivity protects against AKI. *Kidney360*, 2(12), 1892.

Gu Q, et al. (2020) G α q splice variants mediate phototransduction, rhodopsin synthesis, and retinal integrity in *Drosophila*. *The Journal of biological chemistry*, 295(17), 5554.

Shaughnessy CA, et al. (2020) 11-Deoxycortisol controls hydromineral balance in the most basal osmoregulating vertebrate, sea lamprey (*Petromyzon marinus*). *Scientific reports*, 10(1), 12148.

Ropelewski P, et al. (2019) Disrupted Plasma Membrane Protein Homeostasis in a *Xenopus Laevis* Model of Retinitis Pigmentosa. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 39(28), 5581.

Park J, et al. (2019) Lysosome-Rich Enterocytes Mediate Protein Absorption in the Vertebrate Gut. *Developmental cell*, 51(1), 7.

West RJH, et al. (2018) Sphingolipids regulate neuromuscular synapse structure and function in *Drosophila*. *The Journal of comparative neurology*, 526(13), 1995.

Lin CH, et al. (2017) Molecular Physiology of the Hypocalcemic Action of Fibroblast Growth Factor 23 in Zebrafish (*Danio rerio*). *Endocrinology*, 158(5), 1347.