

# Resource Summary Report

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

## Anti-Puromycin Antibody, clone 12D10

RRID:AB\_2566826

Type: Antibody

---

### Proper Citation

Sigma-Aldrich Cat# MABE343, RRID:AB\_2566826

---

### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_2566826](http://antibodyregistry.org/AB_2566826)

**Proper Citation:** Sigma-Aldrich Cat# MABE343, RRID:AB\_2566826

**Target Antigen:** Puromycin

**Host Organism:** Mouse

**Clonality:** monoclonal

**Comments:** Applications: flow cytometry, immunocytochemistry, immunofluorescence, immunohistochemistry, immunoprecipitation (IP), western blot

**Antibody Name:** Anti-Puromycin Antibody, clone 12D10

**Description:** This monoclonal targets Puromycin

**Target Organism:** all

**Clone ID:** 12D10

**Antibody ID:** AB\_2566826

**Vendor:** Sigma-Aldrich

**Catalog Number:** MABE343

**Record Creation Time:** 20260829T030718+0000

**Record Last Update:** 20260829T143447+0000

---

### Ratings and Alerts

No rating or validation information has been found for Anti-Puromycin Antibody, clone 12D10.

No alerts have been found for Anti-Puromycin Antibody, clone 12D10.

---

## Data and Source Information

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

---

## Usage and Citation Metrics

We found 240 mentions in open access literature.

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

Cao K, et al. (2026) HDAC5-encoded Microprotein NISM Mediates Nucleolar Formation and Ribosomal RNA Synthesis. bioRxiv : the preprint server for biology.

D'Alessandro A, et al. (2026) Desmosomes compartmentalize mRNA and translation in the skin. Developmental cell, 61(5), 1076.

Wang Y, et al. (2026) E3 Ubiquitin Ligase Nedd4-2 Exacerbates Seizure-Induced Mitochondrial Defects in an Alzheimer's Disease Mouse Model. Journal of neurochemistry, 170(4), e70440.

Adler D, et al. (2026) Activity-dependent protein synthesis in neurons requires microglial-metabolic coupling. Cell metabolism.

Liu Y, et al. (2026) Alphaviral non-structural protein-host RBP co-condensation as a mechanism to sustain virus replication. Molecular cell, 86(12), 2390.

Cabrera-Cabrera F, et al. (2026) Norepinephrine Couples Astrocytic Metabolism to mTOR-Driven Protein Synthesis. Journal of neurochemistry, 170(7), e70507.

Shah S, et al. (2026) Metabolic reprogramming during human neuron differentiation indicates glutaminase as a key determinant in Fragile X syndrome. Cell reports, 45(1), 116857.

Kadowaki H, et al. (2026) Sec61? maintains cytoplasmic proteostasis via ARIH1-mediated translational repression upon ER stress. EMBO reports, 27(4), 1057.

Squair DR, et al. (2026) ZNFX1 uses two-component ubiquitin circuitry to quarantine viral RNA. Molecular cell, 86(6), 1164.

Sun J, et al. (2026) mTOR-NAA10-C7orf50 axis senses nutritional status to coordinate ribosome biogenesis and autophagy. Science advances, 12(20), eadz3835.

Xu W, et al. (2026) S-acylation of TDP43 regulates its condensation in amyotrophic lateral sclerosis. Molecular cell, 86(11), 2191.

Adachi Y, et al. (2026) Chronic stress antagonizes formation of stress granules. *iScience*, 29(1), 114556.

Liu K, et al. (2026) Hypoxia-driven lncRNA SHIELD promotes GPX4 translation and protects against ferroptosis in hepatocellular carcinoma. *Molecular cell*, 86(11), 2106.

Bakhmet EI, et al. (2026) PCBP1 orchestrates amino acid metabolism burst during the naïve-to-primed pluripotency transition. *Stem cell reports*, 21(7), 102950.

Luo Y, et al. (2026) mRNA 3' UTRs chaperone intrinsically disordered regions to control protein activity. *Cell*, 189(15), 4619.

Fahmy AM, et al. (2026) STING dampens the unfolded protein response to enable the presentation of self-antigens on MHC-I during inflammation. *Cell reports*, 45(6), 117497.

Mao Y, et al. (2026) AMPK $\gamma$ 2 signals amino acid insufficiency to inhibit protein synthesis. *Cell metabolism*, 38(1), 192.

Liao Y, et al. (2026) Neuroserpin alleviates cerebral ischemia-reperfusion injury by suppressing ischemia-induced endoplasmic reticulum stress. *Neural regeneration research*, 21(1), 333.

Hosogane M, et al. (2026) Variant-specific interaction of kinectin 1 with the multi-tRNA synthetase complex regulates ER sheet organization. *iScience*, 29(1), 114303.

Qin W, et al. (2026) Small-molecule enhancement of METTL3 S-palmitoylation as a therapeutic strategy for osteoarthritis. *Cell reports*, 45(3), 116993.