

# Resource Summary Report

Generated by [RRID](#) on Sep 8, 2026

## RAB10 antibody [4E2]

RRID:AB\_10711207

Type: Antibody

### Proper Citation

Abcam Cat# ab104859, RRID:AB\_10711207

### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_10711207](http://antibodyregistry.org/AB_10711207)

**Proper Citation:** Abcam Cat# ab104859, RRID:AB\_10711207

**Target Antigen:** RAB10 antibody [4E2]

**Host Organism:** mouse

**Clonality:** monoclonal

**Comments:** validation status unknown, seller recommendations provided in 2012: ELISA, Flow Cyt, ICC/IF, WB; Flow Cytometry; Western Blot; Immunofluorescence; ELISA; Immunocytochemistry

**Antibody Name:** RAB10 antibody [4E2]

**Description:** This monoclonal targets RAB10 antibody [4E2]

**Target Organism:** Human, Mouse

**Antibody ID:** AB\_10711207

**Vendor:** Abcam

**Catalog Number:** ab104859

**Record Creation Time:** 20231110T070006+0000

**Record Last Update:** 20260829T043504+0000

### Ratings and Alerts

- A guide to selecting high-performing antibodies for Rab10 (UniProt ID: P61026) for use in western blot, immunoprecipitation, and immunofluorescence - YCHarOS <https://ycharos.com/>

No alerts have been found for RAB10 antibody [4E2].

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Dong J, et al. (2025) Rab10 regulates neuropeptide release by maintaining Ca<sup>2+</sup> homeostasis and protein synthesis. eLife, 13.

Adhikari A, et al. (2025) End-product inhibition of the LRRK2-counteracting PPM1H phosphatase. bioRxiv : the preprint server for biology.

Chiang CY, et al. (2025) PPM1M, an LRRK2-counteracting, phosphoRab12-preferring phosphatase with a potential link to Parkinson's disease. Cell reports, 44(8), 116031.

Adhikari A, et al. (2025) Allosteric regulation of the Golgi-localized PPM1H phosphatase by Rab GTPases modulates LRRK2 substrate dephosphorylation in Parkinson's disease. The Journal of biological chemistry, 110679.

Chiang CY, et al. (2025) PPM1M, a LRRK2-counteracting, phosphoRab12-preferring phosphatase with potential link to Parkinson's disease. bioRxiv : the preprint server for biology.

Touahri Y, et al. (2024) Pten regulates endocytic trafficking of cell adhesion and Wnt signaling molecules to pattern the retina. Cell reports, 43(4), 114005.

Abe T, et al. (2024) Lysosomal stress drives the release of pathogenic  $\alpha$ -synuclein from macrophage lineage cells via the LRRK2-Rab10 pathway. iScience, 27(2), 108893.

Lazo OM, et al. (2023) Rab10 regulates the sorting of internalised TrkB for retrograde axonal transport. eLife, 12.

Wang X, et al. (2023) Rab12 is a regulator of LRRK2 and its activation by damaged lysosomes. eLife, 12.

Xiang C, et al. (2021) Intestinal microbiota modulates adrenomedullary response through Nod1 sensing in chromaffin cells. iScience, 24(8), 102849.

Lucken-Ardjomande Häsler S, et al. (2020) GRAF2, WDR44, and MICAL1 mediate Rab8/10/11-dependent export of E-cadherin, MMP14, and CFTR  $\Delta$ F508. The Journal of cell biology, 219(5).