

Resource Summary Report

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Recombinant mouse Anti-KIF3B antibody

RRID:AB_2715472

Type: Antibody

Proper Citation

N. Hirokawa - University of Tokyo, Tokyo, Japan Cat# KIF3B, RRID:AB_2715472

Antibody Information

URL: http://antibodyregistry.org/AB_2715472

Proper Citation: N. Hirokawa - University of Tokyo, Tokyo, Japan Cat# KIF3B, RRID:AB_2715472

Target Antigen: KIF3B

Host Organism: rabbit

Clonality: polyclonal

Comments: Described in Yamazaki et al., J Cell Biol (1995): "To produce an antibody against KIF3B, the recombinant full-length KIF3B protein was used. Purified KIF3B was injected into rabbits four times and the rabbits were bled. The serum was then affinity purified using a KIF3B-bound activated Thiol-Sepharose 4B affinity column (Pharmacia Inc.). Western blotting of the final antibodies was carried out to confirm no cross-reaction with KIF3A. For the motility inhibition assay, purified antibodies were dialyzed against a PEM buffer (0.1 M Pipes, pH 6.8, 1mM EGTA, 1 mM MgCl₂)."

Antibody Name: Recombinant mouse Anti-KIF3B antibody

Description: This polyclonal targets KIF3B

Target Organism: mouse

Defining Citation: [PMID:7559760](#)

Antibody ID: AB_2715472

Vendor: N. Hirokawa - University of Tokyo, Tokyo, Japan

Catalog Number: KIF3B

Record Creation Time: 20250819T233559+0000

Ratings and Alerts

No rating or validation information has been found for Recombinant mouse Anti-KIF3B antibody.

No alerts have been found for Recombinant mouse Anti-KIF3B antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Jiang X, et al. (2023) The two-step cargo recognition mechanism of heterotrimeric kinesin. EMBO reports, 24(11), e56864.

Wang S, et al. (2022) KIF3B promotes a PI3K signaling gradient causing changes in a Shh protein gradient and suppressing polydactyly in mice. Developmental cell, 57(19), 2273.

Yoshihara S, et al. (2021) Betaine ameliorates schizophrenic traits by functionally compensating for KIF3-based CRMP2 transport. Cell reports, 35(2), 108971.

Ichinose S, et al. (2019) The Spatiotemporal Construction of the Axon Initial Segment via KIF3/KAP3/TRIM46 Transport under MARK2 Signaling. Cell reports, 28(9), 2413.