

# Resource Summary Report

Generated by [RRID](#) on Aug 13, 2026

## Mouse Anti-Neurofilament H Monoclonal Antibody, Unconjugated, Clone SMI-32

RRID:AB\_509998

Type: Antibody

### Proper Citation

Covance Cat# SMI-32R-500, RRID:AB\_509998

### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_509998](http://antibodyregistry.org/AB_509998)

**Proper Citation:** Covance Cat# SMI-32R-500, RRID:AB\_509998

**Target Antigen:** Neurofilament H

**Host Organism:** mouse

**Clonality:** monoclonal

**Comments:** functionality unknown, check validation data for this product with vendor

**Antibody Name:** Mouse Anti-Neurofilament H Monoclonal Antibody, Unconjugated, Clone SMI-32

**Description:** This monoclonal targets Neurofilament H

**Target Organism:** other, feline, rat, hamster, simian, donkey, porcine, canine, goat, mouse, rabbit, bovine, human, sheep

**Clone ID:** Clone SMI-32

**Defining Citation:** [PMID:20209960](#), [PMID:17348011](#), [PMID:19350645](#)

**Antibody ID:** AB\_509998

**Vendor:** Covance

**Catalog Number:** SMI-32R-500

**Record Creation Time:** 20250820T041028+0000

**Record Last Update:** 20250820T181445+0000

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## Ratings and Alerts

No rating or validation information has been found for Mouse Anti-Neurofilament H Monoclonal Antibody, Unconjugated, Clone SMI-32.

No alerts have been found for Mouse Anti-Neurofilament H Monoclonal Antibody, Unconjugated, Clone SMI-32.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Wang Q, et al. (2026) Genoarchitecture and input-output organization of the mouse basal ganglia and thalamic parafascicular nucleus. *Nature neuroscience*, 29(5), 1248.

De Paola A, et al. (2026) Loss and recovery of neurofilament in the cat lateral geniculate nucleus following monocular retinal inactivation. *Frontiers in neuroscience*, 20, 1802413.

Henneberry JM, et al. (2023) Early monocular deprivation reduces the capacity for neural plasticity in the cat visual system. *Cerebral cortex communications*, 4(3), tgad017.

Bonfim V, et al. (2023) Architecture of the inferior parietal cortex in capuchin monkey. *The Journal of comparative neurology*.

Gento-Caro Á, et al. (2022) Targeting autotaxin impacts disease advance in the SOD1-G93A mouse model of amyotrophic lateral sclerosis. *Brain pathology (Zurich, Switzerland)*, 32(3), e13022.

Gento-Caro Á, et al. (2021) Interfering with lysophosphatidic acid receptor edg2/lpa1 signalling slows down disease progression in SOD1-G93A transgenic mice. *Neuropathology and applied neurobiology*, 47(7), 1004.

Appel D, et al. (2021) Pharmacologic Inhibition of ADAM10 Attenuates Brain Tissue Loss, Axonal Injury and Pro-inflammatory Gene Expression Following Traumatic Brain Injury in Mice. *Frontiers in cell and developmental biology*, 9, 661462.

Hummel R, et al. (2020) Administration of all-trans retinoic acid after experimental traumatic brain injury is brain protective. *British journal of pharmacology*, 177(22), 5208.

Portillo F, et al. (2020) Nitric oxide controls excitatory/inhibitory balance in the hypoglossal nucleus during early postnatal development. *Brain structure & function*, 225(9), 2871.

Mariani OSC, et al. (2019) Partitioning of the primate intraparietal cortex based on connectivity pattern and immunohistochemistry for Cat-301 and SMI-32. *The Journal of*

comparative neurology, 527(3), 694.

García-Morales V, et al. (2019) Sp1-regulated expression of p11 contributes to motor neuron degeneration by membrane insertion of TASK1. *Nature communications*, 10(1), 3784.

Duffy KR, et al. (2018) Recovery from the anatomical effects of long-term monocular deprivation in cat lateral geniculate nucleus. *The Journal of comparative neurology*, 526(2), 310.

Wang Q, et al. (2017) Organization of the connections between claustrum and cortex in the mouse. *The Journal of comparative neurology*, 525(6), 1317.

Duffy KR, et al. (2016) Susceptibility to monocular deprivation following immersion in darkness either late into or beyond the critical period. *The Journal of comparative neurology*, 524(13), 2643.

Mayer A, et al. (2016) Architectonic mapping of somatosensory areas involved in skilled forelimb movements and tool use. *The Journal of comparative neurology*, 524(7), 1399.

Song S, et al. (2015) Postnatal accumulation of intermediate filaments in the cat and human primary visual cortex. *The Journal of comparative neurology*, 523(14), 2111.

Nys J, et al. (2014) The cross-modal aspect of mouse visual cortex plasticity induced by monocular enucleation is age dependent. *The Journal of comparative neurology*, 522(4), 950.