Resource Summary Report

Generated by RRID on Aug 12, 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

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

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.

Data and Source Information

Source: Antibody Registry

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.