Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Mar 31, 2025

a-Synuclein

RRID:AB_398108
Type: Antibody

Proper Citation

(BD Biosciences Cat# 610787, RRID:AB_398108)

Antibody Information

URL: http://antibodyregistry.org/AB_398108

Proper Citation: (BD Biosciences Cat# 610787, RRID:AB_398108)

Target Antigen: a-Synuclein

Host Organism: mouse

Clonality: monoclonal

Comments: Immunofluorescence, Western blot

Antibody Name: a-Synuclein

Description: This monoclonal targets a-Synuclein

Target Organism: rat, mouse, human

Defining Citation: PMID:17120294, PMID:23643841, PMID:23537934

Antibody ID: AB_398108

Vendor: BD Biosciences

Catalog Number: 610787

Record Creation Time: 20241017T002751+0000

Record Last Update: 20241017T021343+0000

Ratings and Alerts

No rating or validation information has been found for a-Synuclein.

No alerts have been found for a-Synuclein.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 53 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Lee B, et al. (2024) SARS-CoV-2 infection exacerbates the cellular pathology of Parkinson's disease in human dopaminergic neurons and a mouse model. Cell reports. Medicine, 5(5), 101570.

Onal G, et al. (2024) Variant-specific effects of GBA1 mutations on dopaminergic neuron proteostasis. Journal of neurochemistry, 168(9), 2543.

Schreiber CS, et al. (2024) Sex-specific biphasic alpha-synuclein response and alterations of interneurons in a COVID-19 hamster model. EBioMedicine, 105, 105191.

Choi SG, et al. (2024) Alpha-synuclein aggregates are phosphatase resistant. Acta neuropathologica communications, 12(1), 84.

Liao SC, et al. (2024) CHCHD2 mutant mice display mitochondrial protein accumulation and disrupted energy metabolism. bioRxiv : the preprint server for biology.

Parmasad JA, et al. (2024) Genetic and pharmacological reduction of CDK14 mitigates synucleinopathy. Cell death & disease, 15(4), 246.

Shin JY, et al. (2024) Dual inhibition of aminoacyl-tRNA synthetase interacting multifunctional protein-2 and ?-synuclein by steroid derivative is neuroprotective in Parkinson's model. iScience, 27(11), 111165.

Woelfle S, et al. (2023) CLARITY increases sensitivity and specificity of fluorescence immunostaining in long-term archived human brain tissue. BMC biology, 21(1), 113.

Parra-Rivas LA, et al. (2023) Serine-129 phosphorylation of ?-synuclein is an activity-dependent trigger for physiologic protein-protein interactions and synaptic function. Neuron, 111(24), 4006.

Furthmann N, et al. (2023) NEMO reshapes the ?-Synuclein aggregate interface and acts as an autophagy adapter by co-condensation with p62. Nature communications, 14(1), 8368.

He H, et al. (2023) METTL14 is decreased and regulates m6 A modification of ?-synuclein in Parkinson's disease. Journal of neurochemistry, 166(3), 609.

Lackie RE, et al. (2022) Stress-inducible phosphoprotein 1 (HOP/STI1/STIP1) regulates the accumulation and toxicity of ?-synuclein in vivo. Acta neuropathologica, 144(5), 881.

Chen L, et al. (2022) Synaptic location is a determinant of the detrimental effects of ?-synuclein pathology to glutamatergic transmission in the basolateral amygdala. eLife, 11.

Schneider Y, et al. (2022) Generation of a homozygous and a heterozygous SNCA gene knockout human-induced pluripotent stem cell line by CRISPR/Cas9 mediated allele-specific tuning of SNCA expression. Stem cell research, 65, 102952.

Barreto BR, et al. (2022) Cocaine Modulates the Neuronal Endosomal System and Extracellular Vesicles in a Sex-Dependent Manner. Neurochemical research, 47(8), 2263.

Hallacli E, et al. (2022) The Parkinson's disease protein alpha-synuclein is a modulator of processing bodies and mRNA stability. Cell, 185(12), 2035.

Carnazza KE, et al. (2022) Synaptic vesicle binding of ?-synuclein is modulated by ?- and ?-synucleins. Cell reports, 39(2), 110675.

Bourdenx M, et al. (2021) Chaperone-mediated autophagy prevents collapse of the neuronal metastable proteome. Cell, 184(10), 2696.

Stykel MG, et al. (2021) ?-Synuclein mutation impairs processing of endomembrane compartments and promotes exocytosis and seeding of ?-synuclein pathology. Cell reports, 35(6), 109099.

Krzystek TJ, et al. (2021) Differential mitochondrial roles for ?-synuclein in DRP1-dependent fission and PINK1/Parkin-mediated oxidation. Cell death & disease, 12(9), 796.