

Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 3, 2025

Rabbit Anti-alpha-Synuclein XP??? Monoclonal Antibody, Unconjugated, Clone D37A6

RRID:AB_1904156

Type: Antibody

Proper Citation

(Cell Signaling Technology Cat# 4179, RRID:AB_1904156)

Antibody Information

URL: http://antibodyregistry.org/AB_1904156

Proper Citation: (Cell Signaling Technology Cat# 4179, RRID:AB_1904156)

Target Antigen: alpha-Synuclein

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IP, IHC-P, IF-F. Consolidation on 11/2018: AB_10484828, AB_10839126, AB_1904156.

Antibody Name: Rabbit Anti-alpha-Synuclein XP??? Monoclonal Antibody, Unconjugated, Clone D37A6

Description: This monoclonal targets alpha-Synuclein

Target Organism: rat, mouse

Clone ID: Clone D37A6

Antibody ID: AB_1904156

Vendor: Cell Signaling Technology

Catalog Number: 4179

Record Creation Time: 20241016T230815+0000

Record Last Update: 20241017T000614+0000

Ratings and Alerts

No rating or validation information has been found for Rabbit Anti-alpha-Synuclein XP??? Monoclonal Antibody, Unconjugated, Clone D37A6.

No alerts have been found for Rabbit Anti-alpha-Synuclein XP??? Monoclonal Antibody, Unconjugated, Clone D37A6.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 14 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Liu Z, et al. (2023) Chronic carbon disulfide exposure induces parkinsonian pathology via α -synuclein aggregation and necrosome complex interaction. *iScience*, 26(10), 107787.

Grochowska KM, et al. (2023) Chaperone-mediated autophagy in neuronal dendrites utilizes activity-dependent lysosomal exocytosis for protein disposal. *Cell reports*, 42(8), 112998.

Peixoto DO, et al. (2023) Increased alpha-synuclein and neuroinflammation in the substantia nigra triggered by systemic inflammation are reversed by targeted inhibition of the receptor for advanced glycation end products (RAGE). *Journal of neurochemistry*.

Nemutlu Samur D, et al. (2022) Vortioxetine ameliorates motor and cognitive impairments in the rotenone-induced Parkinson's disease via targeting TLR-2 mediated neuroinflammation. *Neuropharmacology*, 208, 108977.

Gorenberg EL, et al. (2022) Identification of substrates of palmitoyl protein thioesterase 1 highlights roles of depalmitoylation in disulfide bond formation and synaptic function. *PLoS biology*, 20(3), e3001590.

Elfarrash S, et al. (2021) Polo-like kinase 2 inhibition reduces serine-129 phosphorylation of physiological nuclear alpha-synuclein but not of the aggregated alpha-synuclein. *PloS one*, 16(10), e0252635.

Komolov KE, et al. (2021) Structure of a GRK5-Calmodulin Complex Reveals Molecular Mechanism of GRK Activation and Substrate Targeting. *Molecular cell*, 81(2), 323.

Suzuki G, et al. (2020) α -synuclein strains that cause distinct pathologies differentially inhibit proteasome. *eLife*, 9.

Lin B, et al. (2020) Retina Organoid Transplants Develop Photoreceptors and Improve Visual Function in RCS Rats With RPE Dysfunction. *Investigative ophthalmology & visual science*, 61(11), 34.

Yan J, et al. (2020) Atorvastatin improves motor function, anxiety and depression by NOX2-mediated autophagy and oxidative stress in MPTP-lesioned mice. *Aging*, 13(1), 831.

Kiechle M, et al. (2019) In Vivo Protein Complementation Demonstrates Presynaptic α -Synuclein Oligomerization and Age-Dependent Accumulation of 8-16-mer Oligomer Species. *Cell reports*, 29(9), 2862.

Prigent A, et al. (2019) Acute inflammation down-regulates alpha-synuclein expression in enteric neurons. *Journal of neurochemistry*, 148(6), 746.

Fang X, et al. (2019) Neuroprotective effects of an engineered commensal bacterium in the 1-methyl-4-phenyl-1, 2, 3, 6-tetrahydropyridine Parkinson disease mouse model via producing glucagon-like peptide-1. *Journal of neurochemistry*, 150(4), 441.

Ugras S, et al. (2018) Induction of the Immunoproteasome Subunit Lmp7 Links Proteostasis and Immunity in α -Synuclein Aggregation Disorders. *EBioMedicine*, 31, 307.