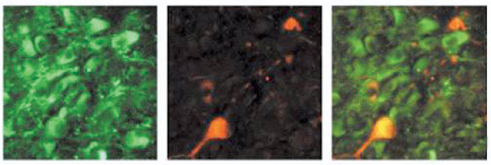
alpha Synuclein Monoclonal Antibody (Syn 505)

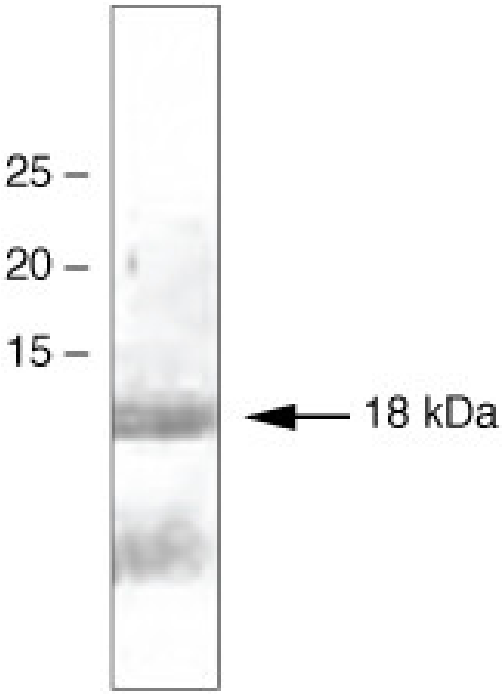
Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Mouse, Human
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	Syn 505
Conjugate	Unconjugated
Immunogen	Recombinant full-length oxidized human alpha-Synuclein
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2533225

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	3 Publications
Immunohistochemistry (IHC)	Assay-dependent	5 Publications
ELISA (ELISA)	Assay-dependent	-

Product Images For alpha Synuclein Monoclonal Antibody (Syn 505)



alpha Synuclein Antibody (35-8300) in IHC
Immunofluorescent staining of mouse brain (locus coeruleus) double-labeled with Ms anti-Nitrated a-Synuclein (Product # 35-8300, red) and anti-Tyrosine Hydroxylase (green). Image courtesy of John Trojanowski, MD, PhD, University of Pennsylvania School of Medicine, PA.



alpha Synuclein Antibody (35-8300) in WB
Western blot analysis of WT TNM, a recombinant wild-type form of a-Synuclein that has been treated with tetranitromethane, using Ms anti-Nitrated a-Synuclein (Product # 35-8300).

View more figures on thermofisher.com

8 References

Western Blot (3)

iScience

A tetracationic porphyrin with dual anti-prion activity.

"Published figure using alpha Synuclein monoclonal antibody (Product # 35-8300) in Western Blot"

Authors: Masone A,Zucchelli C,Caruso E,Lavigna G,Eraña H,Giachin G,Tapella L,Comerio L,Restelli E,Raimondi I, Elezgarai SR,De Leo F,Quilici G,Taiarol L,Oldrati M,Lorenzo NL,García-Martínez S,Cagnotto A,Lucchetti J,Gobbi M, Vanni I,Nonno R,Di Bari MA,Tully MD,Cecatiello V,Ciossani G,Pasqualato S,Van Anken E,Salmona M,Castilla J, Requena JR,Banfi S,Musco G,Chiesa R

Year
2023

Free radical biology & medicine

Human myeloperoxidase (hMPO) is expressed in neurons in the substantia nigra in Parkinson's disease and in the hMPO--synuclein-A53T mouse model, correlating with increased nitration and aggregation of -synuclein and exacerbation of motor impairment.

"35-8300 was used in Immunohistochemistry to examine the impact of myeloperoxidase in Parkinson''s disease through analysis of postmortem Parkinson''s disease brain and in a novel animal model in which we crossed a transgenic mouse expressing the human myeloperoxidase gene to a mouse expressing human -Synuclein-A53T mutant."

Authors: Maki RA,Holzer M,Motamedchaboki K,Malle E,Masliah E,Marsche G,Reynolds WF

Year
2019

Species
Mouse

View more WB references on thermofisher.com

Immunohistochemistry (5)

Antioxidants (Basel, Switzerland)

Thiocyanate Reduces Motor Impairment in the hMPO-A53T PD Mouse Model While Reducing MPO-Oxidation of Alpha Synuclein in Enlarged LYVE1/AQP4 Positive Periventricular Glymphatic Vessels.

"35-8300 was used in Immunohistochemistry-immunofluorescence to suggest that MPO may significantly promote the impairment of the glymphatic waste removal system thus contributing to neurodegeneration in PD and that the inhibition of MPO chlorination/oxidation by SCN- may provide a potential therapeutic approach to this disease."

Authors: Reynolds WF,Malle E,Maki RA

Year
2022

Species
Mouse

Dilution
1:500

Free radical biology & medicine

Human myeloperoxidase (hMPO) is expressed in neurons in the substantia nigra in Parkinson's disease and in the hMPO--synuclein-A53T mouse model, correlating with increased nitration and aggregation of -synuclein and exacerbation of motor impairment.

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Authors: Maki RA,Holzer M,Motamedchaboki K,Malle E,Masliah E,Marsche G,Reynolds WF

Year
2019

Species
Mouse

View more IHC references on thermofisher.com

More applications with references on thermofisher.com