

Product Datasheet

alpha-Synuclein Antibody (4F1)

NBP3-18259

Unit Size: 100 ug

Store at -20C. Avoid freeze-thaw cycles.

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NBP3-18259

alpha-Synuclein Antibody (4F1)

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4F1
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS pH 7.4, 50% glycerol

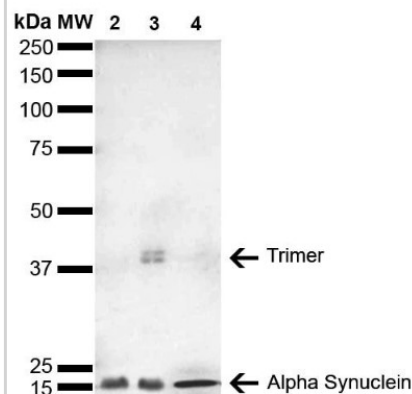
Product Description	
Host	Mouse
Gene ID	6622
Gene Symbol	SNCA
Species	Human, Mouse, Rat
Specificity/Sensitivity	Binds multiple linear epitopes within human ASYN: 21-70 aa, 61-90 aa, and 101-140 aa, determined using DB & ELISA with corresponding peptides. Detects ~14 kDa band corr to ASYN. ~40 kDa is a trimer.
Immunogen	Mouse alpha-Synuclein aggregate

Product Application Details	
Applications	Western Blot, Dot Blot, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, ELISA 1:1000, Immunohistochemistry 1:200, Immunocytochemistry/Immunofluorescence 1:100, Dot Blot 1:1000
Application Notes	Optimal dilutions for assays should be determined by the user.

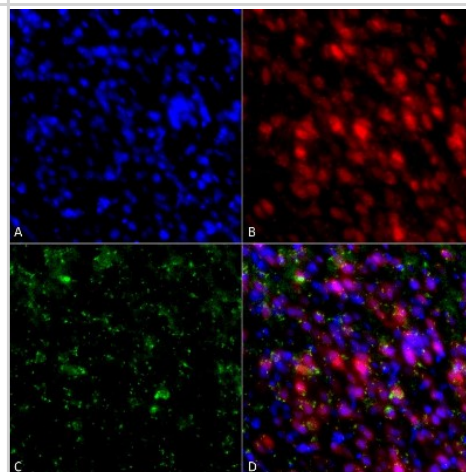


Images

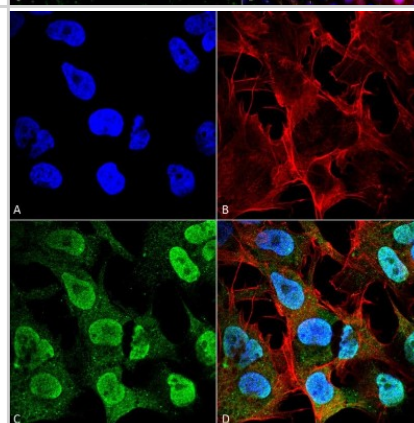
Western Blot: alpha-Synuclein Antibody (4F1) [NBP3-18259] - Western Blot analysis of Human, Mouse, Rat Brain showing detection of 14 kDa alpha-Synuclein protein using Mouse Anti-alpha-Synuclein Monoclonal Antibody, Clone 4F1 (NBP3-18259). Lane 1: Molecular Weight Ladder (MW). Lane 2: Mouse Brain cell lysate. Lane 3: Rat brain cell lysate. Lane 4: Human brain cell lysate. Load: 15 ug. Block: 5% Skim Milk in 1X TBST. Primary Antibody: Mouse Anti-alpha-Synuclein Monoclonal Antibody (NBP3-18259) at 1:1000 for 2 hours at RT. Secondary Antibody: Goat Anti-Mouse HRP:IgG at 1:3000 for 1 hour at RT. Color Development: ECL solution (Super Signal West Pico) for 5 min in RT. Predicted/Observed Size: 14 kDa. Other Band(s): ~40 kDa (trimer).



Immunocytochemistry/Immunofluorescence: alpha-Synuclein Antibody (4F1) [NBP3-18259] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-alpha-Synuclein Monoclonal Antibody, Clone 4F1 (NBP3-18259). Tissue: Primary hippocampal neurons treated with active alpha-Synuclein Protein Aggregate (SPR-322) at 4 ug/ml to induce fibrils. Species: Rat. Fixation: 4% paraformaldehyde. Primary Antibody: Mouse Anti-alpha-Synuclein Monoclonal Antibody (NBP3-18259) at 1:200 for 24 hours at 4C. Secondary Antibody: Goat Anti-Mouse Alexa Fluor 488 at 1:700 for 1 hour at RT. Counterstain: Guinea Pig Anti-NeuN (red) neuronal marker (Donkey Anti-Guinea Pig Alexa Fluor 647 1:700); DAPI (blue) nuclear stain at 1:6000, 1:3000 for 60 min at RT, 5 min at RT. Magnification: 20X. (A) DAPI (blue) nuclear stain. (B) NeuN neuronal marker (red). (C) alpha-Synuclein Antibody. (D) Composite.



Immunocytochemistry/Immunofluorescence: alpha-Synuclein Antibody (4F1) [NBP3-18259] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-alpha-Synuclein Monoclonal Antibody, Clone 4F1 (NBP3-18259). Tissue: Neuroblastoma cell line (SK-N-BE). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-alpha-Synuclein Monoclonal Antibody (NBP3-18259) at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:200 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60 min at RT, 5 min at RT. Localization: Cytoplasm: medium; Nucleus: strong. Magnification: 60X. (A) DAPI (blue) nuclear stain. (B) Phalloidin Texas Red F-Actin stain. (C) alpha-Synuclein Antibody. (D) Composite.





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA

Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
novus@novusbio.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada

Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom

Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: technical@novusbio.com
Orders: orders@novusbio.com
General: novus@novusbio.com

Products Related to NBP3-18259

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-54789-100ug	Recombinant Human alpha-Synuclein Active, Pre-formed Fibrils, (Type 1) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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