

Product Datasheet

alpha-Synuclein [p Ser129] Antibody - BSA Free NBP2-61121

Unit Size: 100 ul

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Publications: 1

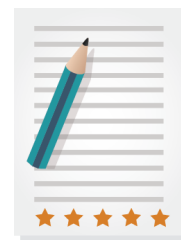
Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-61121

Updated 2/23/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP2-61121



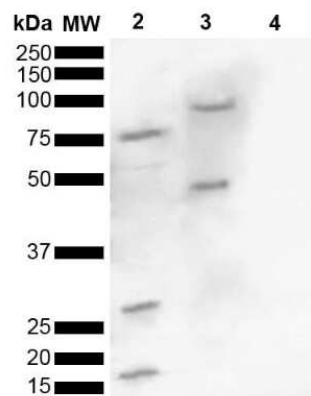
NBP2-61121

alpha-Synuclein [p Ser129] Antibody - BSA Free

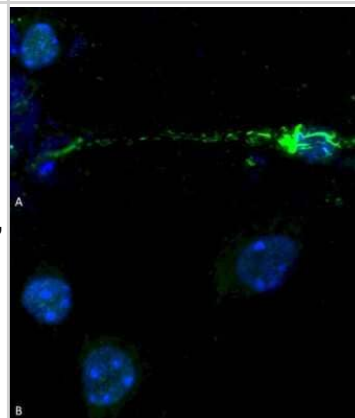
Product Information	
Unit Size	100 ul
Concentration	0.5 mg/ml
Storage	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS (pH 7.4), 50% Glycerol
Product Description	
Host	Rabbit
Gene ID	6622
Gene Symbol	SNCA
Species	Human, Mouse, Rat
Specificity/Sensitivity	This alpha-Synuclein [p Ser129] Antibody is specific for phosphorylated serine 129 on alpha-synuclein. Does not detect unphosphorylated serine 129 alpha-synuclein. Detects bands at 100, 75, 45, 15 kDa. Bands above 15 kDa are oligomers.
Immunogen	This alpha-Synuclein [p Ser129] Antibody was developed against Synthetic peptide of human alpha-Synuclein pSer129 (40-140 aa), conjugated to Keyhole Limpet Hemocyanin (KLH).
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:1000, ELISA, Immunohistochemistry 1:500, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1:500
Application Notes	A 1:1000 dilution of this Antibody was sufficient for detection of Alpha Synuclein pSer129 in 15 ug of human brain cell lysates by ECL immunoblot analysis using goat anti-rabbit IgG:HRP as the secondary antibody.

Images

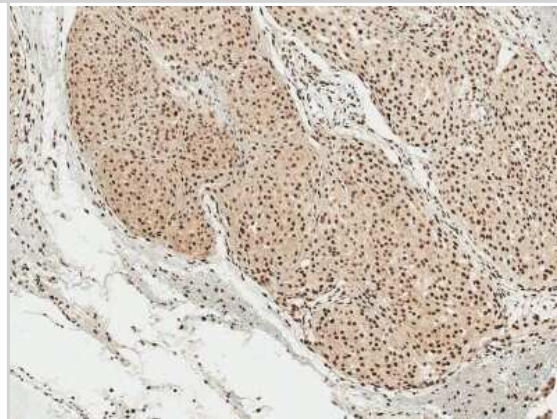
Western Blot: alpha-Synuclein [p Ser129] Antibody [NBP2-61121] - Western blot analysis of Human, Mouse brain lysate showing detection of ~16 kDa alpha-Synuclein protein using Rabbit Anti-alpha-Synuclein Polyclonal Antibody (NBP2-61121). Lane 1: Molecular Weight Ladder (MW). Lane 2: Human brain lysate. Lane 3: Mouse brain lysate. Lane 4: Alpha Synuclein Monomer (0.5 ug). Load: 15 ug. Block: 2.5% BSA in TBST. Primary Antibody: Rabbit Anti-alpha-Synuclein Polyclonal Antibody (NBP2-61121) at 1:1000 for 2 hours at RT. Secondary Antibody: Goat Anti-Rabbit HRP:IgG at 1:3000 for 1 hour at RT. Color Development: ECL solution for 5 min at RT. Predicted/Observed Size: ~16 kDa. Other Band(s): 100, 75, 45, 30, 16 kDa.



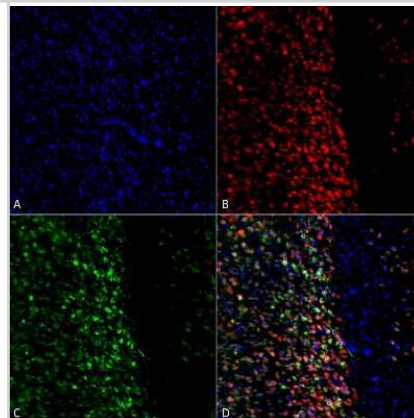
Immunocytochemistry/Immunofluorescence: alpha-Synuclein [p Ser129] Antibody [NBP2-61121] - Phospho serine 129 antibody (NBP2-61121) was used to detect phosphorylated alpha synuclein in primary mouse hippocampal neurons treated with 100 nM sonicated mouse alpha synuclein PFFs (A). Phosphorylated alpha synuclein was visible in perinucleus and neurites compared to untreated control (B). Read the protocol at pabmabs.com/?p=7901. Image courtesy of Trine Rasmussen, Simon Molgaard Jensen at Aarhus University.



Immunohistochemistry: alpha-Synuclein [p Ser129] Antibody [NBP2-61121] - Immunohistochemistry analysis using Rabbit Anti-alpha-Synuclein Polyclonal Antibody (NBP2-61121). Tissue: Brain. Species: Human. Fixation: Formalin Fixed Paraffin-Embedded. Primary Antibody: Rabbit Anti-alpha-Synuclein Polyclonal Antibody (NBP2-61121) at 1:50 for 30 min at RT. Counterstain: Hematoxylin. Magnification: 10X. HRP-DAB Detection.



Immunocytochemistry/Immunofluorescence: alpha-Synuclein [p Ser129] Antibody [NBP2-61121] - Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-alpha-Synuclein Polyclonal Antibody (NBP2-61121). Tissue: Primary hippocampal neurons treated with active Alpha Synuclein Protein Aggregate (SPR-322) at 4 g/ml to induce fibrils. Species: Rat. Fixation: 4% paraformaldehyde. Primary Antibody: Rabbit Anti-alpha-Synuclein Polyclonal Antibody (NBP2-61121) at 1:500 for 24 hours at 4C. Secondary Antibody: Goat Anti-Rabbit 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); Hoechst (blue) nuclear stain at 1:6000, 1:3000 for 60 min at RT, 5 min at RT. Magnification: 20X.



Publications

Ping Fang, Lewis W. Yu, Hannah Espey, Gulistan Agirman, Sabeen A. Kazmi, Kai Li, Yongning Deng, Jamie Lee, Haley Hrcir, Arlene Romero-Lopez, Arthur P. Arnold, Elaine Y. Hsiao Sex-dependent interactions between prodromal intestinal inflammation and LRRK2 G2019S in mice promote endophenotypes of Parkinson's disease Communications Biology 2024-05-15 [PMID: 38750146]





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
nb-customerservice@bio-techne.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: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-61121

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-61121

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

