

# Product Datasheet

## alpha-Synuclein Antibody (5C2) - BSA Free NBP1-04321

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP1-04321**

alpha-Synuclein Antibody (5C2) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	5C2
Preservative	0.02% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A purified
Buffer	PBS (pH 7.4), 10% Glycerol
Target Molecular Weight	14.46 kDa

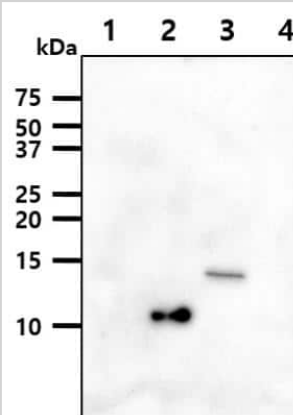
Product Description	
Host	Mouse
Gene ID	6622
Gene Symbol	SNCA
Species	Human, Mouse
Reactivity Notes	Use in Mouse reported in scientific literature (PMID:30918024).
Immunogen	This alpha-Synuclein Antibody (5C2) was developed against recombinant human alpha-synuclein (61-95) purified from E. coli (NP_0003360).

Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:500-1:2000, ELISA 1:100-1:2000, Immunocytochemistry/ Immunofluorescence

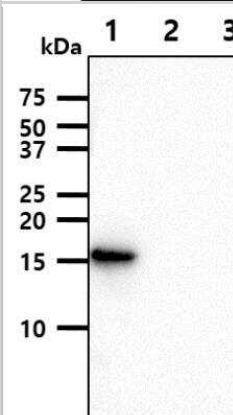


## Images

Western Blot: alpha-Synuclein Antibody (5C2) [NBP1-04321] - The recombinant human alpha-synuclein domains were resolved by SDS-PAGE, transferred to PVDF membrane and probed with human anti-alpha-Synuclein(61-95aa) antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: Recombinant human alpha-synuclein(1-60aa) Lane 2.: Recombinant human alpha-synuclein(1-95aa) Lane 3.: Recombinant human alpha-synuclein(61-140aa) Lane 4.: Recombinant human alpha-synuclein(96-140aa)



Western Blot: alpha-Synuclein Antibody (5C2) [NBP1-04321] - The recombinant human synuclein family proteins were resolved by SDS-PAGE, transferred to PVDF membrane and probed with human anti-alpha-Synuclein antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: Recombinant human alpha-synuclein Lane 2.: Recombinant human beta-synuclein Lane 3.: Recombinant human gamma-synuclein



## Publications

Desai AA, Zupancic JM, Trzeciakiewicz H et al. Flow cytometric isolation of drug-like conformational antibodies specific for amyloid fibrils bioRxiv : the preprint server for biology 2023-07-04 [PMID: 37461643] (DB, Mouse)

Julian M C, Rabia L A et al. Nature-inspired design and evolution of anti-amyloid antibodies. J Biol Chem 2019-05-24 [PMID: 30918024] (WB, Mouse)

De Luca CMG, Elia AE, Portaleone SM et al. Efficient RT-QuIC seeding activity for alpha-synuclein in olfactory mucosa samples of patients with Parkinson's disease and multiple system atrophy Transl Neurodegener 2019-08-08 [PMID: 31406572] (WB, Human)

Zunke F, Moise AC, Belur NR et al. Reversible Conformational Conversion of a-Synuclein into Toxic Assemblies by Glucosylceramide. Neuron 2017-12-20 [PMID: 29290548] (Human)

Herva ME, Zibae S, Fraser G et al. Anti-amyloid compounds inhibit alpha-synuclein aggregation induced by Protein Misfolding Cyclic Amplification (PMCA). J. Biol. Chem. 2014-03-03 [PMID: 24584936] (WB, Human)



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### Products Related to NBP1-04321

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-54789-100ug	Recombinant Human alpha-Synuclein Active, Pre-formed Fibrils, (Type 1) Protein

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### 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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