

POLYCLONAL ANTIBODY

For research use only, Not for diagnostic use

Catalog No. TIP-SN-P05

Anti α -Synuclein (41-50)

BACKGROUND

Alpha-Synuclein, a 140-amino acid protein abundantly expressed in presynaptic terminals, is known as a component of intraneuronal or glial inclusions observed in cases of Parkinson's disease (PD), Dementia with Lewy bodies (DLB) and Multiple system atrophy (MSA). Alpha-Synuclein is a natively unfolded protein, however, fibrillization or conformational change of Alpha-synuclein is central in the pathogenesis of Alpha-synucleinopathies. The amino-terminal region of Alpha-synuclein consists of seven imperfect repeats, each 11 amino acids in length, with the consensus sequence KTKEGV. The repeats partially overlap with a hydrophobic region (amino acids 61-95). The carboxy-terminal region (amino acids 96-140) is negatively charged. These antibodies are powerful tools for biochemical and IHC analyses of neurodegenerative diseases and for evaluation of conformational changes of Alpha-synuclein.

Product type	Primary antibody
Immunogen	GSKTKEGVVHC (α -syn 41-50)
Raised in	Rabbit (New Zealand White)
Source	Anti-serum
Purification	-
Form	Liquid. Anti-serum
Concentration	-
Volume	50 μ L
Label	Unlabeled
Specificity	α -Syn
Cross reactivity	Human, Mouse
Storage	Store below -20°C. (below -70°C for prolonged storage). Aliquot to avoid cycles of freeze/thaw.

Application notes	•ELISA : 1/500–1/2000
Recommended dilutions	•Western Blot : 1/500–1/1000 •Immunohistochemistry :1/500–1/2000

Other applications have not been tested. Optimal dilutions/ concentrations should be determined by the end user.

References	1)Masami Masuda, et al. Inhibition of α -synuclein fibril assembly by small molecules: Analysis using epitope-specific antibodies. FEBS Letters (2009) 583, 787-791. PMID 19183551
-------------------	---



COSMO BIO CO., LTD.

Inspiration for Life Science

TOYO 2CHOME, KOTO-KU, TOKYO, 135-0016, JAPAN

URL: <http://www.cosmobio.co.jp>

e-mail: export@cosmobio.co.jp

[Outside Japan] Phone : +81-3-5632-9617

[国内連絡先] Phone : +81-3-5632-9610

FAX : +81-3-5632-9618

FAX : +81-3-5632-9619

www.cosmobio.co.jp

RELATED PRODUCTS:

Product Name	Quantity	Maker	Cat#
Anti α -Synuclein (1-10)	50 μ L	CAC	TIP-SN-P01
Anti α -Synuclein (11-20)	50 μ L	CAC	TIP-SN-P02
Anti α -Synuclein (21-30)	50 μ L	CAC	TIP-SN-P03
Anti α -Synuclein (31-40)	50 μ L	CAC	TIP-SN-P04
Anti α -Synuclein (51-60)	50 μ L	CAC	TIP-SN-P06
Anti α -Synuclein (61-70)	50 μ L	CAC	TIP-SN-P07
Anti α -Synuclein (75-91)	50 μ L	CAC	TIP-SN-P08
Anti α -Synuclein (131-140)	50 μ L	CAC	TIP-SN-P09
Anti α -Synuclein (9 Antibodies Set)	9*10 μ L	CAC	TIP-SN-SET

For research use only, Not for diagnostic use.



COSMO BIO Co., LTD.

Inspiration for Life Science

TOYO 2CHOME, KOTO-KU, TOKYO, 135-0016, JAPAN

URL: <http://www.cosmobio.co.jp>

e-mail: export@cosmobio.co.jp

[Outside Japan] Phone : +81-3-5632-9617

[国内連絡先] Phone : +81-3-5632-9610

FAX : +81-3-5632-9618

FAX : +81-3-5632-9619