POLYCLONAL ANTIBODY

Anti α-Synuclein (75-91)

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
CTAVAQKTVEGAGSIAAA (α-syn75-91)

Raised in
Rabbit (New Zealand White)

Source
Anti-serum

Purification
-

Form
Liquid. Anti-serum with 0.1% NaN3 as a preservative.

Concentration
-

Volume
50 uL

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
Recommended dilutions

ELISA : 1/500–1/2000
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

For research use only, Not for diagnostic use.
### RELATED PRODUCTS:

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<tr>
<th>Product Name</th>
<th>Quantity</th>
<th>Maker</th>
<th>Cat#</th>
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