POLYCLONAL ANTIBODY

Catalog No. TIP-SN-P06

Anti α-Synuclein (51-60)

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, fibrillation 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: GVATVAEKTKC (α-syn 51-60)
Raised in: Rabbit (New Zealand White)
Source: Anti-serum
Purification: -
Form: Liquid. Anti-serum with 0.1% NaN3 as a preservative.
Concentration: -
Volume: 50 μL
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
## RELATED PRODUCTS:

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<thead>
<tr>
<th>Product Name</th>
<th>Quantity</th>
<th>Maker</th>
<th>Cat#</th>
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<td>50 uL</td>
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