Polyclonal Antibody

Catalog No. TIP-SN-P01

**Anti α-Synuclein (1-10)**

**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** MDVFKGLSKC (α-syn1-10)  
**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**  
- ELISA : 1/500–1/2000  
- Western Blot : 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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<th>Product Name</th>
<th>Quantity</th>
<th>Maker</th>
<th>Cat#</th>
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