

Code No. 18671

**Anti-Human  
 $\alpha$ Synuclein (S122) Rabbit IgG Affinity Purify**

Volume : 100  $\mu$ g

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**Introduction** : The pre-synaptic protein,  $\alpha$  -synuclein, has been associated with the pathogenesis of several neurodegenerative diseases. These include prevalent conditions such as Parkinson's disease (PD), dementia with Lewy bodies (DLB), and the Lewy body variant of Alzheimer's disease (LBVAD), as well as rarer conditions including multiple systems atrophy (MSA), and neurodegeneration with brain iron accumulation type-1 (NBIA-1). The antibody may be useful for these research.

**Antigen** : Synthetic peptide for C-terminal of Human $\alpha$ -Synuclein (DNEAYEMPSEEGYQDY)

**Purification** : Affinity Purified with synthetic peptide

**Form** : Lyophilized product from 1% BSA in PBS containing 0.05%NaN<sub>3</sub>

**How to use** : 1.0 ml distilled water will be added to the product

**Dilution** : PBS (pH7.4) containing 1% BSA

**Stability** : Lyophilized product, 5 years at 2 – 8 °C  
: Solution, 2 years at –20 °C

**Application** : This antibody can be stained in formalin fixed paraffin embedded tissues after microwave treatment by several Immunohistochemical techniques such as Avidin Bition Complex (ABC) Method. The optimal dilution is about 2  $\mu$ g/ml, however, the dilution rate should be optimized by each laboratories.  
: This antibody can be used for western blotting in concentration of 0.5~2 $\mu$ g /ml.

**Specificity** : Confirmed by western blotting

**Reactivity** : Cross reacts with mouse and rat

**References** : Ueda K. et. al. Molecular cloning of cDNA encoding an unrecognized component of amyloid in Alzheimer disease. *Proc. Natl. Acad. Sci. U.S.A.* 1993; **90** (23), 11282- 11286

Masliah E. et. al. Dopaminergic loss and inclusion body formation in  $\alpha$  - Synuclein mice: implications for neuro- degenerative disorders. *Science* 2000; **287**, 1265-1269

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