



20150217ML

Anti-Human SNCA (#7D53)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	101-M637
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse) immunized with recombinant human SNCA.

Target Background

Synonyms (Target):	SNCA; PD1; NACP; PARK1; PARK4
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The synuclein family (SNCA) includes synuclein-alpha, -beta, and -gamma, and synoretin. These small, highly conserved proteins are localized predominantly in the brain, concentrated in presynaptic nerve terminals. Synuclein-alpha is normally a soluble protein. Abnormal synuclein-alpha forms filamentous inclusions (Lewy bodies and Lewy neurites) in several neurodegenerative diseases, including Parkinson's disease (PD), dementia with Lewy bodies, and Alzheimer's disease. Synucleins beta and gamma (synoretin) associate with synuclein-alpha and inhibit its aggregation.

Database References Target

Protein RefSeq:	NP_000336.1
Uniprot ID:	P37840
mRNA RefSeq:	NM_000345.3

Product Specifications

Host	Mouse
Reactivity against	Human
Clonality	Monoclonal Antibody
Clone	(#7D53)
Isotype	IgG1
Purification	Protein G chromatography
Antigen	recombinant human SNCA
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody was selected for its ability to detect human SNCA.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

WB

Recommended usage:

WB: Use at 1:500-1000

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!