

Product datasheet for **AM05094PU-N**

alpha Synuclein (SNCA) Mouse Monoclonal Antibody [Clone ID: 4D6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	4D6
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA. Western/Dot Blot: 1/100-1/10,000. Immunohistochemistry on Frozen and Formalin-Fixed Paraffin Embedded Tissues: 1/100-1/1000 (No formic Acid, Enzyme or HIER required).
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified <i>E. coli</i> produced Human Alpha-Synuclein.
Specificity:	This antibody recognizes Human Alpha-Synuclein. Other species not tested.
Formulation:	PBS State: Purified State: Liquid purified Ig fraction from Tissue Culture Supernatant Preservative: None
Concentration:	lot specific
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	synuclein alpha
Database Link:	Entrez Gene 6622 Human P37840



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Background:

Synuclein-alpha is the major component of Lewy bodies and Lewy neuritis in sporadic PD, dementia with Lewy Bodies and Lewy Body variant of AD. Lewy bodies are composed of truncated and phosphorylated intermediate neurofilament proteins, alpha synuclein, ubiquitin and associated enzymes. The synuclein phosphoproteins (15-20kDa) are small highly conserved proteins in vertebrates. The synuclein family includes alpha and beta synucleins and loosely related gamma-synuclein and synoretin. The expression is abundant in neurons and typically localized at presynaptic terminals.

Synonyms:

NACP, PARK1