

Anti-Alpha-Synuclein [NAC32] Standard Size Ab00346-1.1

This chimeric mouse antibody was made using the variable domain sequences of the original human yeast surface display scFv format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgG1, Kappa

Clone Number: NAC32

Alternative Name(s) of Target: SNCA

UniProt Accession Number of Target Protein: P37840

Published Application(s): WB, Block, IHC

Published Species Reactivity: Human

Immunogen: Biotin-labeled peptide spanning amino acids 53-87 of alpha-synuclein.

Specificity: Binds the nonamyloid component of alpha-Synuclein.

Application Notes: This is a synthetic IgG binding to alpha-Synuclein which is involved in the regulation of dopamine release and transport. It induces fibrillisation of the tau-protein and reduces the neuronal responsiveness to several apoptotic signals. Involved in the pathogenesis of Parkinson disease.

Antibody First Published in: Lynch et al. 2008 An scFv Intrabody against the Nonamyloid component of alpha-Synuclein Reduces Intracellular Aggregation and Toxicity Journal of Molecular Biology 2008; 377:136-147 [PMID:18237741](#)

Note on publication: Describes the generation of an scFv intrabody against the non-amyloid component of alpha-Synulcein and demonstrates its effect in counteracting mutant synuclein aggregation.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.