Anti-Alpha-Synuclein [NAC32] Standard Size Ab00346-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

Isotype and Format: Human IgG1, Fc Silent™, 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 4ºC for up to 3 months. For longer storage, aliquot and store at -20ºC.
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.

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