

Anti-Alpha-Synuclein [NAC32] Standard Size Ab00346-10.7

This antibody is in our proprietary AbFab2™ recombinant F(ab2) format - based on Human IgG1 sequence with a short dimerization domain to improve stability and a his tag.

Isotype and Format: Human F(ab)2, AbFab2™ His-Tagged, 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: Purified by Immobilized Metal Affinity Chromatography

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.