

Goat anti-Alpha-synuclein Antibody

Item Number	dAP-2709
Target Molecule	Principle Name: Alpha-synuclein; Official Symbol: SNCA; All Names and Symbols: SNCA; synuclein, alpha (non A4 component of amyloid precursor); NACP; PARK1; PARK4; PD1; alpha-synuclein; non A-beta component of AD amyloid; synuclein alpha-140; Accession Number (s): NP_009292.1; NP_000336.1; Human Gene ID(s): 6622; Non-Human GeneID(s): 20617 (mouse) 29219 (rat)
Immunogen	ATGFVKKDKQLGK, is from internal region This antibody is expected to recognize both reported isoforms (NP_009292.1; NP_000336.1). Reported variants represent identical protein: NP_000336.1, NP_001139527.1, NP_001139526.1
Applications	Pep ELISA, WB Species Tested: Human, Mouse
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 128000.
Western Blot	Western Blot: Approx 17kDa band observed in Human Brain (Amygdala) and fetal Mouse Brain lysates (calculated MW of 14.5kDa according to Human NP_000336.1 and Mouse NP_033247.1). The observed molecular weight corresponds to earlier findings with different
IHC	
Reference	Reference(s): Oueslati A, Paleologou KE, Schneider BL, Aebischer P, Lashuel HA. Mimicking phosphorylation at serine 87 inhibits the aggregation of human α -synuclein and protects against its toxicity in a rat model of Parkinson's disease. J Neurosci. 2012 Feb 1;32(5):1536-44..PMID: 22302797->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**