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EB11713 - Goat Anti-Alpha-synuclein Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: alpha-synuclein, NACP, non A-beta component of AD amyloid, PARK1, PARK4, PD1, SNCA, synuclein alpha-140, synuclein, alpha (non A4 component of amyloid precursor)
Official Symbol: SNCA
Accession Number(s): NP_009292.1; NP_000336.1
Human GeneID(s): 6622
Non-Human GeneID(s): 20617 (mouse), 29219 (rat)
Important Comments: 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

Immunogen

Peptide with sequence C-ATGFVKKDQLGK, from the internal region of the protein sequence according to NP_009292.1; NP_000336.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 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.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:128000.
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 antibodies from other commercial sources. Recommended concentration: 0.1-0.3µg/ml.

Species Reactivity

Tested: Human, Mouse
Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig

EB11713 (0.1µg/ml) staining of Human Amygdala (A) and fetal Mouse (B) Brain lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.