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EB11714 - Goat Anti-Alpha-synuclein (NACP140) 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_000336.1

Human GeneID(s): 6622

Important Comments: This antibody is expected to recognize reported isoform NACP140 (NP_000336.1) only. Reported variants represent identical protein:

NP_000336.1, NP_001139527.1, NP_001139526.1

Immunogen

Peptide with sequence C-KDQLGKNEEGAPQE, from the internal region of the protein sequence according to 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 1:32000.

Western blot: Approx 17kDa band observed in Human Brain (Amygdala) lysates (calculated MW of 14.5kDa according to NP_000336.1). 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

Expected from sequence similarity: Human, Pig

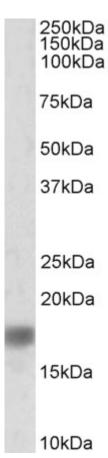
Specific Reference

This antibody has been successfully used in WB and IF on Rat:

Muñoz P, Cardenas S, Huenchuguala S, Briceño A, Couve E, Paris I, Segura-Aguilar J. DT-Diaphorase Prevents Aminochrome-Induced Alpha-Synuclein Oligomer Formation and Neurotox

Toxicol Sci. 2015 May;145(1):37-47.

PMID: 25634539



EB11714 (0.1μg/ml) staining of Human Amygdala lysate (35μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.