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**Research Use Only. Not for
diagnostic or therapeutic use.**

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-ATGFVKKDKLGK, 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). This molecular weight is routinely observed by other sources. Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour.

IHC: Paraffin embedded Human Brain (Cerebellum). Recommended concentration: 5µg/ml.

Species Reactivity

Tested: Human, Mouse

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

Specific References

This antibody has been successfully used in the following paper:

Karina J. Vargas, P. L. Colosi, Eric Girardi, Jae-Min Park, Sreeganga S. Chandra
α-Synuclein facilitates clathrin assembly in synaptic vesicle endocytosis
(2021) <https://doi.org/10.1101/2020.04.29.069344>
PMID: 0

This antibody has been successfully used in Western blot on Human:

Sandro Huenchuguala & Birgitta Sjödin & Bengt Mannervik & Juan Segura-Aguilar
Novel Alpha-Synuclein Oligomers Formed with the Aminochrome-Glutathione Conjugate
Are Not Neurotoxic
Neurotox Res. 2019 Feb;35(2):432-440.

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

EB11713 (5µg/ml) staining of paraffin embedded Human Cerebellum. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.