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GOAT ANTI-ALPHA-SYNUCLEIN ANTIBODY

SKU: EB11713





SPECIFICATIONS

Formulation Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Unit Size 100 µg

Storage Instructions Aliquot and store at -20°C. Minimize freezing and thawing.

Synonym /

Alias Names synuclein, alpha (non A4 component of amyloid precursor)|synuclein alpha-140|SNCA|PD1|PARK4|PARK1|non A-beta component of AD amyloid|NACP|alpha-synuclein

Accession ID NP_009292.1; NP_000336.1

Blocking Peptide EBP11713

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

Product 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

Peptide Sequence C-ATGFVKKDQLGK

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

Shipping Instructions Refrigerated

Predicted Species Human, Mouse, Rat, Dog, Pig

Reactive Species Human, Mouse

Human Gene ID 6622

Mouse Gene ID 20617

Rat Gene ID 29219

Product Grade https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png

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

ELISA

Detection Limit 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.

Application Type Pep-ELISA, WB, IHC

SELECTED REFERENCES

[{"pmid": 30343424, "intro": "**This antibody has been successfully used in Western blot on Human:**", "title": "Novel Alpha-Synuclein Oligomers Formed with the Aminochrome-Glutathione Conjugate Are Not Neurotoxic", "author": "Sandro Huenchuguala & Birgitta Sjödin & Bengt Mannervik & Juan Segura-Aguilar", "journal": "Neurotox Res. 2019 Feb;35(2):432-440."}, {"pmid": 0, "intro": "**This antibody has been successfully used in the following paper:**", "title": "?-Synuclein facilitates clathrin assembly in synaptic vesicle endocytosis", "author": "Karina J. Vargas, P. L. Colosi, Eric Girardi, Jae-Min Park, Sreeganga S. Chandra", "journal": "(2021) <https://doi.org/10.1101/2020.04.29.069344>"}]

DOCUMENTS

- [Data Sheet](#)

GALLERY IMAGES

