



[www.everestbiotech.com](http://www.everestbiotech.com)

Email: [customerservice@vectorlabs.com](mailto:customerservice@vectorlabs.com)

Telephone: [\(650\) 697-3600](tel:(650)697-3600)

# GOAT ANTI-ALPHA-SYNUCLEIN ANTIBODY

**SKU:** EB11713





## SPECIFICATIONS

|                              |   |
|------------------------------|---|
| <b>Formulation</b>           | Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.   |
| <b>Unit Size</b>             | 100 µg  |
| <b>Storage Instructions</b>  | Aliquot and store at -20°C. Minimize freezing and thawing.  |
| <b>Synonym / Alias Names</b> | 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   |
| <b>Accession ID</b>          | NP_009292.1; NP_000336.1  |
| <b>Blocking Peptide</b>      | EBP11713  |
| <b>Immunogen</b>             | Peptide with sequence C-ATGFVKKDKLGK, from the internal region of the protein sequence according to NP_009292.1; NP_000336.1.   |
| <b>Product Comments</b>      | 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  |
| <b>Peptide Sequence</b>      | C-ATGFVKKDKLGK  |
| <b>Purification Method</b>   | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.   |
| <b>Shipping Instructions</b> | Refrigerated  |
| <b>Predicted Species</b>     | Human, Mouse, Rat, Dog, Pig   |
| <b>Reactive Species</b>      | Human, Mouse  |
| <b>Human Gene ID</b>         | 6622  |
| <b>Mouse Gene ID</b>         | 20617   |
| <b>Rat Gene ID</b>           | 29219   |
| <b>Product Grade</b>         | <a href="https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png">https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png</a>   |
| <b>IHC Results</b>           | Paraffin embedded Human Brain (Cerebellum). Recommended concentration: 5µg/ml.  |
| <b>ELISA Detection Limit</b> | Antibody detection limit dilution 1:128000.   |
| <b>Western Blot</b>          | 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. |
| <b>Application Type</b>      | 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

