

## Rabbit alpha-Synuclein Polyclonal Antibody | anti-SNCA antibody

alpha-Synuclein (Ab-136) Antibody

|                               |                       |                                        |                                                         |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA306647</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunofluorescence, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------------------|

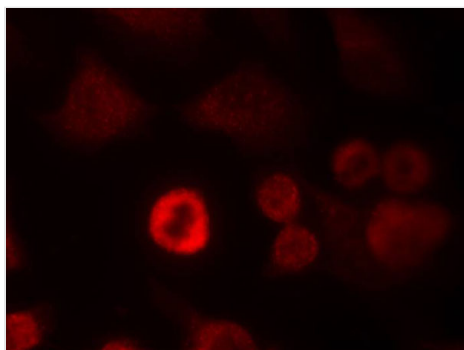
### PRODUCT SYNONYMS

alpha-Synuclein; Polyclonal Antibody; alpha-Synuclein (Ab-136) Antibody; a-Synuclein (Ab-136) Antibody; NACP; SYN; SYUA; alpha-synuclein; anti-SNCA antibody

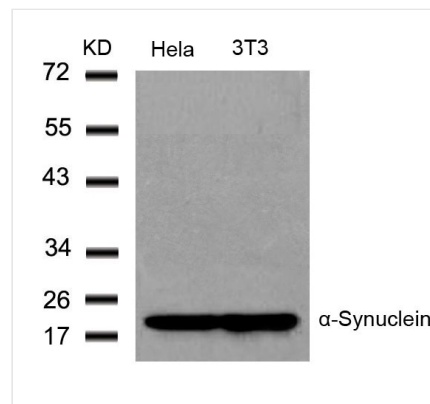
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                               |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                        |
| Reactivity                                     | Human, Mouse, Rat                                                                                                                                                             |
| Clonality                                      | Polyclonal                                                                                                                                                                    |
| Specificity                                    | The antibody detects endogenous level of total a-Synuclein protein.                                                                                                           |
| Purity/Purification                            | Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide. |
| Form/Format                                    | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                  |
| Concentration                                  | 1.0 mg/ml (varies by lot)                                                                                                                                                     |
| Sequence Length                                | 140                                                                                                                                                                           |
| Applicable Applications for anti-SNCA antibody | IF (Immunofluorescence), WB (Western Blot)                                                                                                                                    |
| Immunogen Type                                 | Peptide-KLH                                                                                                                                                                   |
| Immunogen Description                          | Peptide sequence around aa. 134~138 (Q-D-Y-E-P) derived from Human alpha-Synuclein.                                                                                           |
| Target Name                                    | a-Synuclein                                                                                                                                                                   |
| Preparation and Storage                        | Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.                                                                       |

### IMAGES


**IF (Immunofluorescence)**

Immunofluorescence staining of methanol-fixed HeLa cells using a-Synuclein(Ab-136) Antibody.


**WB (Western Blot)**

Western blot analysis of extracts from HeLa and 3T3 cells using a-Synuclein(Ab-136) Antibody.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SNCA antibody | SncA is a member of the synuclein family of structurally related proteins that are prominently expressed in the central nervous system, which also includes beta- and gamma-synuclein. Synucleins are abundantly expressed in the brain and SncA and Snc-Beta inhibit phospholipase D2 selectively. SncA may serve to integrate presynaptic signaling and membrane trafficking. Aggregated SncA proteins form brain lesions that are hallmarks of neurodegenerative synucleinopathies. Defects in SncA play a role in the pathogenesis of Parkinson disease. SncA peptides are a major component of amyloid plaques in the brains of patients with Alzheimer disease. SncA shares 95% sequence homology with rat SncA. Rat SncA is specifically expressed in brain and is associated with synaptosomal membranes in neurons |
| Product Categories/Family for anti-SNCA antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

NCBI AND UNIPROT INFORMATION

|                                  |                                                          |
|----------------------------------|----------------------------------------------------------|
| NCBI GI #                        | 4507109                                                  |
| NCBI GeneID                      | 6622                                                     |
| NCBI Accession #                 | NP_000336.1                                              |
| NCBI GenBank Nucleotide #        | NM_000345.3                                              |
| UniProt Accession #              | P37840; Q13701; Q4JHI3; Q6IAU6; A8K2A4                   |
| Molecular Weight                 | 13,109 Da                                                |
| NCBI Official Full Name          | alpha-synuclein isoform NACP140                          |
| NCBI Official Synonym Full Names | synuclein, alpha (non A4 component of amyloid precursor) |
| NCBI Official Symbol             | SNCA                                                     |
| NCBI Official Synonym Symbols    | PD1; NACP; PARK1; PARK4                                  |
| NCBI Protein Information         | alpha-synuclein                                          |
| UniProt Protein Name             | Alpha-synuclein                                          |
| UniProt Gene Name                | SNCA                                                     |
| UniProt Synonym Gene Names       | NACP; PARK1; NACP                                        |
| UniProt Entry Name               | SYUA_HUMAN                                               |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/alpha-synuclein-antibody-immunofluorescence-western-blot-elisa/306647>