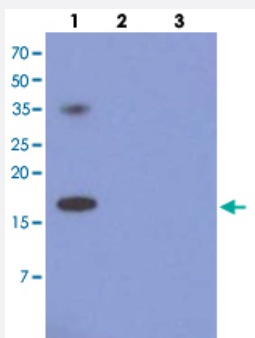


# SNCA monoclonal antibody, clone AT1E10

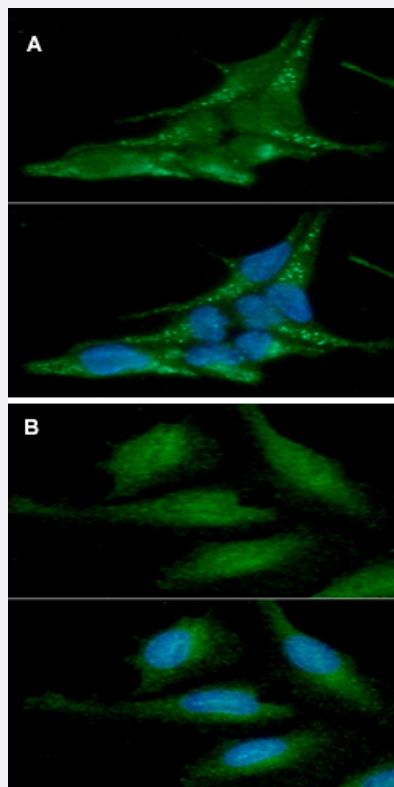
Catalog # MAB11210      Size 100 uL

## Applications



### Western Blot (Recombinant protein)

Western blot analysis of recombinant human synuclein family (alpha-, beta- and gamma-) proteins (100 ng) by SNCA monoclonal antibody, clone AT1E10 (Cat # MAB11210) (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1: alpha-synuclein. Lane 2: beta-synuclein. Lane 3: gamma-synuclein.



### Immunofluorescence

Immunofluorescence analysis of alpha-synuclein in (A) LnCap cells and (B) HeLa cells. The cell was stained with SNCA monoclonal antibody, clone AT1E10 (Cat # MAB11210) (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

## Specification

### Product Description

Mouse monoclonal antibody raised against partial recombinant SNCA.

|                            |                                                                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Immunogen</b>           | Recombinant protein corresponding to amino acids 1-140 of human SNCA.                                                                          |
| <b>Host</b>                | Mouse                                                                                                                                          |
| <b>Reactivity</b>          | Human                                                                                                                                          |
| <b>Form</b>                | Liquid                                                                                                                                         |
| <b>Purification</b>        | Protein A purification                                                                                                                         |
| <b>Concentration</b>       | 1 mg/mL                                                                                                                                        |
| <b>Isotype</b>             | IgG1, kappa                                                                                                                                    |
| <b>Recommend Usage</b>     | ELISA<br>Immunocytochemistry<br>Immunofluorescence<br>Western Blot<br>The optimal working dilution should be determined by the end user.       |
| <b>Storage Buffer</b>      | In PBS, pH 7.4 (10% glycerol, 0.02% sodium azide).                                                                                             |
| <b>Storage Instruction</b> | Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C.<br>Aliquot to avoid repeated freezing and thawing. |
| <b>Note</b>                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                         |

## Applications

- Western Blot (Recombinant protein)

Western blot analysis of recombinant human synuclein family (alpha-, beta- and gamma-) proteins (100 ng) by SNCA monoclonal antibody, clone AT1E10 (Cat # MAB11210) (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1: alpha-synuclein. Lane 2: beta-synuclein. Lane 3: gamma-synuclein.

- Immunocytochemistry

- Immunofluorescence

Immunofluorescence analysis of alpha-synuclein in (A) LnCap cells and (B) HeLa cells. The cell was stained with SNCA monoclonal antibody, clone AT1E10 (Cat # MAB11210) (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — SNCA

Entrez GeneID [6622](#)

Protein Accession# [NP\\_000336](#)

Gene Name SNCA

Gene Alias MGC110988, NACP, PARK1, PARK4, PD1

Gene Description synuclein, alpha (non A4 component of amyloid precursor)

Omim ID [127750](#) [163890](#) [168601](#) [605543](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** Alpha-synuclein is a member of the synuclein family, which also includes beta- and gamma-synuclein. Synucleins are abundantly expressed in the brain and alpha- and beta-synuclein inhibit phospholipase D2 selectively. SNCA may serve to integrate presynaptic signaling and membrane trafficking. Defects in SNCA have been implicated in the pathogenesis of Parkinson disease. SNCA peptides are a major component of amyloid plaques in the brains of patients with Alzheimer's disease. Four alternatively spliced transcripts encoding two different isoforms have been identified for this gene. [provided by RefSeq]

**Other Designations** OTTHUMP00000161559|OTTHUMP00000161561|alpha synuclein|alpha-synuclein|alpha-synuclein, isoform NACP140|non A-beta component of AD amyloid|non A4 component of amyloid

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- [Dementia](#)
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- [Disease Susceptibility](#)
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- [Genetic Predisposition to Disease](#)
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