

## Basic Information

<b>Product Name</b>	Anti-Alpha Synuclein/SNCA Antibody (Clone#OTI2F6)
<b>Gene Name</b>	SNCA
<b>Source</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG2b
<b>Species Reactivity</b>	human, mouse, rat
<b>Tested Application</b>	IHC, WB
<b>Contents</b>	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
<b>Immunogen</b>	Full length human recombinant protein of human SNCA(NP_000336) produced in HEK293T cell.
<b>Concentration</b>	500 ug/ml
<b>Purification</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Observed MW</b>	14.3 kDa
<b>Dilution Ratios</b>	Western blot (WB): 1:4000 Immunohistochemistry (IHC):1:150

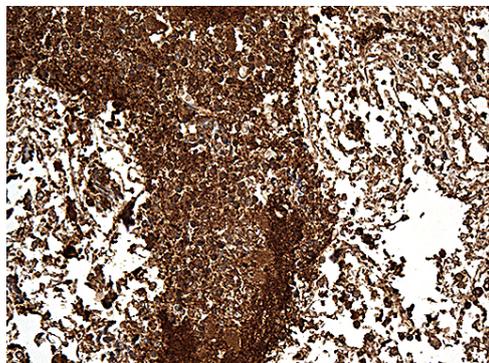
## Storage

Stable for 12 months from date of receipt. Store at -20°C as received.

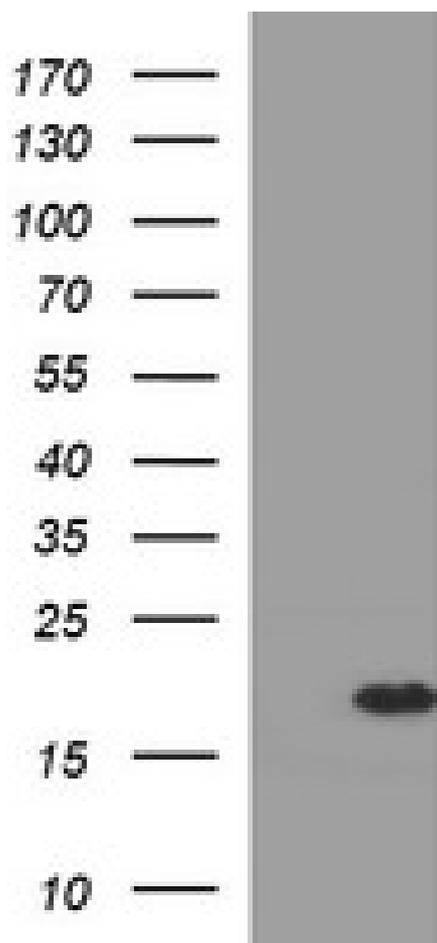
## Background Information

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. Alternatively spliced transcripts encoding different isoforms have been identified for this gene.

## Selected Validation Data



Immunohistochemical staining of paraffin-embedded Human embryonic cerebellum within the normal limits using anti-SNCA mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, MA00215) (1:500)



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY SNCA (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SNCA (Cat# MA00215).