

## 34-1110: Monoclonal Antibody to Alpha-synuclein (Clone: 2A7)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	2A7
<b>Application :</b>	WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	SNCA
<b>Gene ID :</b>	6622
<b>Uniprot ID :</b>	P37840
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Non-A beta component of AD amyloid,NACP,Non-A4 component of amyloid precursor
<b>Isotype :</b>	Mouse, IgG1
<b>Immunogen Information :</b>	Full length human protein with the epitope from amino acids 61-95

### Product Info

<b>Amount :</b>	50 µl / 100 µl
<b>Content :</b>	Antibody is supplied as an aliquot of 1 mg/ml of affinity purified antibody.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

WB:1:1,000 IF/ICC: 1:1,000

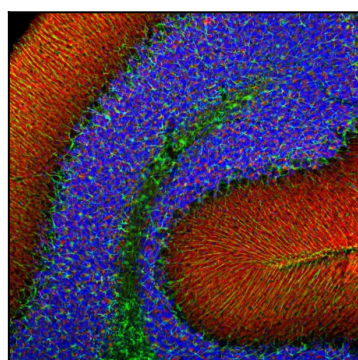


Figure-1: Immunofluorescent analysis of rat cerebellum section stained with mouse mAb to  $\alpha$ -synuclein (34-1110), dilution 1:1,000, in red, and costained with rabbit pAb to GFAP (34-1042) dilution 1:5,000 in green. The blue is Hoechst staining of nuclear DNA. Following transcardial perfusion of rat with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45µm, and free-floating sections were stained with above antibodies. The  $\alpha$ -synuclein protein is concentrated in synaptic regions, while the GFAP antibody stains the filamentous cytoskeleton of Bergmann glia and astrocytic cells.

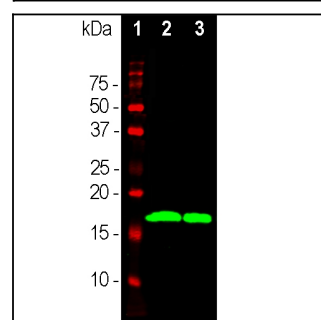


Figure-2: Western blot analysis of different tissue lysates using mAb to  $\alpha$ -synuclein (34-1110), dilution 1:1,000 in green. [1] protein standard in red, [2] whole rat brain lysate, [3] rat spinal cord lysate. The strong band at about 15kDa corresponds to  $\alpha$ -synuclein protein.