

## 34-1112: Polyclonal Antibody to Alpha-synuclein

<b>Clonality :</b>	Polyclonal
<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>	Chicken, IgY
<b>Immunogen Information :</b>	Full length human protein with the epitope from amino acids 61-95

### Product Info

<b>Amount :</b>	50 $\mu$ l / 100 $\mu$ l
<b>Content :</b>	Antibody is supplied as an aliquot of 1 mg/ml 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: 1:2,000 IF/ICC and IHC: 1:1,000

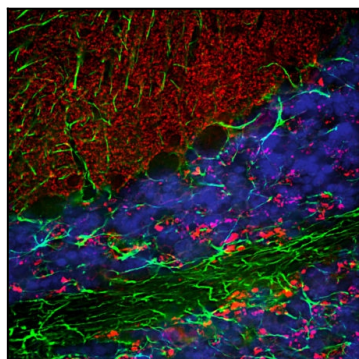


Figure-1: Immunofluorescent analysis of a section of rat cerebellum stained with chicken pAb to  $\alpha$ -synuclein,(34-1112), dilution 1:3,000 in red, and costained with rabbit pAb to GFAP,(34-1042), dilution 1:5,000 in green. The blue is DAPI staining of nuclear DNA. Following transcardial perfusion of rat with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45 $\mu$ m, and free-floating sections were stained with above antibodies. The  $\alpha$ -synuclein protein is concentrated in presynaptic regions in the granular and molecular layers, while GFAP antibody stains the network of Bergmann and astroglial cells.

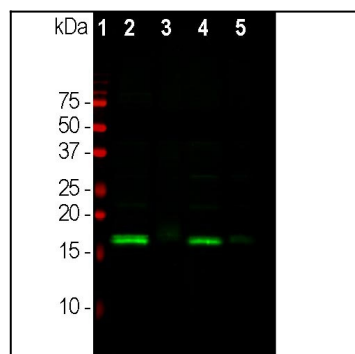


Figure-2: Western blot analysis of different tissue lysates using chicken pAb to  $\alpha$ -synuclein,(34-1112), dilution 1:2,000 in green: [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord. The strong band at about 15kDa corresponds to the  $\alpha$ -synuclein protein in brain extracts, which are rich in synapses, while a weaker band is seen in spinal cord extracts where synapses are a more minor component.