

34-1112: Polyclonal Antibody to Alpha-synuclein

Clonality :	Polyclonal
Application :	WB
Reactivity :	Human
Gene :	SNCA
Gene ID :	6622
Uniprot ID :	P37840
Format :	Purified
Alternative Name :	Non-A beta component of AD amyloid,NACP,Non-A4 component of amyloid precursor
Isotype :	Chicken, IgY
Immunogen Information :	Full length human protein with the epitope from amino acids 61-95

Product Info

Amount :	50 µl / 100 µl
Content :	Antibody is supplied as an aliquot of 1 mg/ml affinity purified antibody
Storage condition :	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

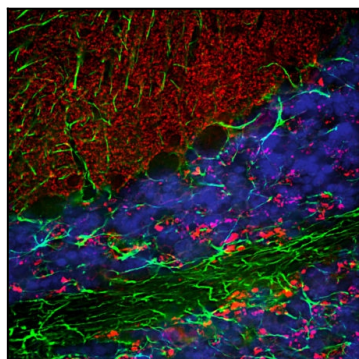


Figure-1: Immunofluorescent analysis of a section of rat cerebellum stained with chicken pAb to α -synuclein,(34-1112), dilution 1:3,000 in red, and costained with rabbit pAb to GFAP,(34-1042), dilution 1:5,000 in green. The blue is DAPI staining of nuclear DNA. Following transcardial perfusion of rat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

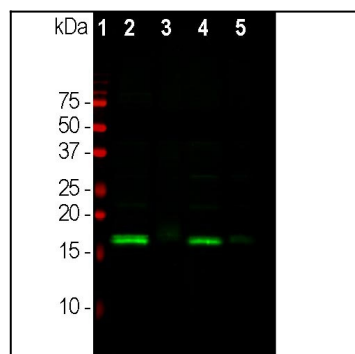


Figure-2: Western blot analysis of different tissue lysates using chicken pAb to α -synuclein,(34-1112), dilution 1:2,000 in green: [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord. The strong band at about 15kDa corresponds to the α -synuclein protein 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.