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

Clonality: Monoclonal

Clone Name: 2A7
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: Mouse, lgG1

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 of 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:1:1,000 IF/ICC: 1:1,000

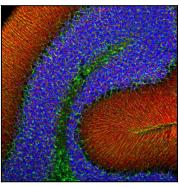


Figure-1: Immunofluorescent analysis of rat cerebellum section stained with mouse mAb to $\hat{l}\pm$ -synuclein (34-1110), dilution 1:1,000, in red, and costained with rabbit pAb to GFAP (34-1042) dilution 1:5,000 in green. The blue is Hoechst staining of nuclear DNA. Following transcardial perfusion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

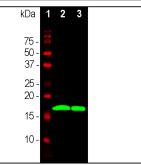


Figure-2: Western blot analysis of different tissue lysates using mAb to $\hat{1}\pm$ -synuclein (34-1110), dilution 1:1,000 in green. [1] protein standard in red, [2] whole rat brain lysate, [3] rat spinal cord lysate. The strong band at about 15kDa corresponds to $\hat{1}\pm$ -synuclein protein.