

Anti-Alpha synuclein Antibody

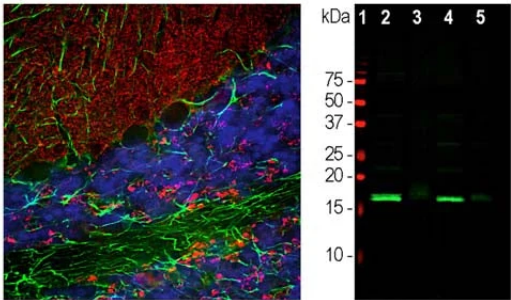


Product Details

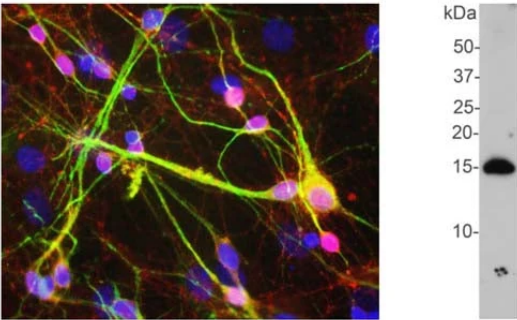
Available Variants	50 µg (SKU:C-1795-50)
Conjugate	Unconjugated
Isotype	IgY
Host Species	Chicken
Format	Affinity-purified
Physical State	Liquid
Buffer	PBS, pH 7.4, containing 0.02% sodium azide as preservative.
Applications	ICC, IHC, WB
Dilution Ranges	WB: 1:1000-1:2000 IHC: 1:1000-1:2000 ICC: 1:1000-1:2000
Species Reactivity	Bovine, Chicken, Horse, Human, Mouse, Pig, Rat
Immunogen	Full length human protein with the epitope from amino acids 61-95
Specificity	Reacts with human, horse, cow, pig, chicken, rat, mouse.
Storage	Spin vial briefly before opening. Reconstitute with 50 µL sterile-filtered, ultrapure water to achieve a 1 mg/mL concentration. Centrifuge to remove any insoluble material. Store lyophilized antibody at 2-8°C. After reconstitution divide into aliquots and store at -20°C for long-term storage. Store at 2-8°C short-term (up to 4 weeks) with an appropriate antibacterial agent. Avoid repetitive freeze/thaw cycles.
UniProt ID	P37840
Country of Origin	United States
Shipping	25°C (ambient)

Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.

Product Images



Left: Rat cerebellum section stained with chicken anti- α -synuclein antibody (red, 1:3,000) by **Immunohistochemistry**. Section was co-stained with rabbit anti-GFAP (green, R-1374-50, 1:5,000) and DAPI nuclear dye (blue). IHC method: Following transcardial perfusion with 4% paraformaldehyde, brain was post-fixed for 24 hours, cut into 45 μ M sections, and free-floating sections were stained. 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. Right: **Western blot** analysis of tissue lysates. Lane 1: MWM; Lane 2: rat brain; Lane 3: rat spinal cord; Lane 4: mouse brain; Lane 5: mouse spinal cord. Antibody dilution: 1:2,000. A strong band at about 15 kDa corresponds to the α -synuclein protein in brain extracts, which are rich in synapses.



Left: Analysis of alpha-synuclein expression in mixed rat neuron-glia cultures by **Immunocytochemistry**. The alpha-synuclein antibody (red) stains vesicular structures the perikarya and processes of the neurons. The antibody reveals that some of the neuronal perikarya contain more alpha-synuclein than others. Green: MAP2, Blue: DNA. Right: Detection of alpha-synuclein monomer (~15 kDa) in crude rat brain extract by **Western Blotting**.

Product Page URL: www.antibodiesinc.com/products/anti-alpha-synuclein-antibody-c-1795-50

