

Anti-Beta-Synuclein Antibody

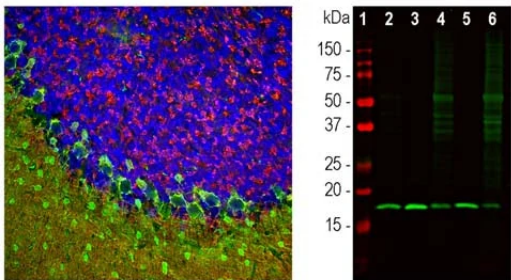


Product Details

Available Variants	100 µg (SKU:R-2105-100)
Conjugate	Unconjugated
Isotype	IgG
Host Species	Rabbit
Format	Affinity-purified
Physical State	Lyophilized
Buffer	Lyophilized from PBS buffer pH 7.2-7.6 with 0.1% trehalose, and sodium azide
Applications	IHC, WB
Dilution Ranges	WB: 1:1000-1:2000 IHC: 1:1000-1:2000
Species Reactivity	Human, Mouse, Rat
Immunogen	Full-length human recombinant β -synuclein protein expressed in and purified from E. Coli.
Specificity	Validated by Western blotting and immunohistochemical procedures. Specific for β -synuclein, does not cross-react with α - or γ -synuclein.
Storage	Spin vial briefly before opening. Reconstitute with 100 µL sterile-filtered, ultrapure water. 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). Avoid repetitive freeze/thaw cycles.
UniProt ID	<u>Q16143</u>
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: Analysis of beta-synuclein expression in rat cerebellum section by **Immunohistochemistry**. Beta-synuclein (red) was detected with rabbit antibody to beta-synuclein (1:1,000), and sections co-stained with chicken antibody to parvalbumin (C-1814-50, green, 1:5,000). Blue: Hoechst nuclear stain. *IHC Method:* Following transcardial perfusion of mouse with 4% paraformaldehyde, brain was post-fixed for 24 hours, cut to 45 μ m, and free-floating sections were stained with above antibodies. The beta-synuclein antibody detects protein concentrated in synaptic regions, while the parvalbumin antibody labels the perikarya and dendrites of Purkinje cells and interneurons in the molecular layer of the cerebellum. **Right:** Western blot analysis of tissue homogenates using rabbit antibody to beta-synuclein (green, 1:1,000). Lane 1: molecular weight marker; Lane 2: mouse cerebellum; Lane 3: mouse hippocampus; Lane 4: rat cerebellum; Lane 5: rat hippocampus; Lane 6: cow cerebellum. A strong band at about 17 kDa corresponds to beta-synuclein protein.

Product Page URL: www.antibodiesinc.com/products/anti-beta-synuclein-antibody-r-2105-100

