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orders@antibodiesinc.com
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PRODUCT DATASHEET

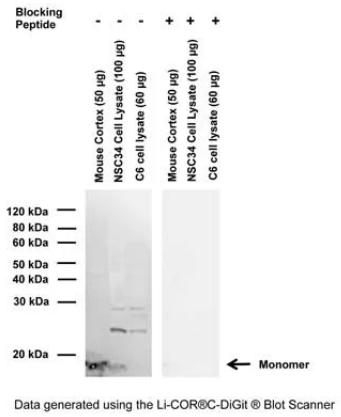
Anti-Synuclein, pan Antibody

Product Details

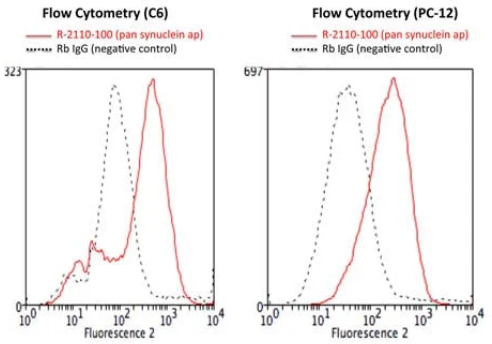
Available Variants	100 µg (SKU:R-2110-100)
Conjugate	Unconjugated
Isotype	IgG
Host Species	Rabbit
Format	Affinity-purified
Physical State	Lyophilized
Buffer	Lyophilized from PBS buffer pH 7.2-7.6 with 0.1% trehalose, and sodium azide
Production Notes	Purified by affinity chromatography against the peptide immunogen.
Applications	Flow, WB
Dilution Ranges	WB: 0.5-2 µg/mL
Species Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide (AKEGVVAAAEKTKQGV) as a consensus part of human alpha-, beta-, and gamma synuclein proteins has been used as the immunogen.
Specificity	Validated by Western blotting and flow cytometry. This antibody recognizes human, mouse, rat alpha-, beta- and gamma-synuclein.
Storage	Spin vial briefly before opening. Reconstitute in 100 µL of sterile-filtered, ultrapure water. Centrifuge to remove any insoluble material. After reconstitution keep aliquots at -20°C for long-term stability. Working aliquots can be kept at 2-8°C for up to 4 weeks, or longer with an appropriate antibacterial agent. Avoid repetitive freeze/thaw cycles.
UniProt ID	P37840/Q16143/O76070
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



Detection of synuclein expression in tissue homogenate and cell lysates by **Western Blot**. Synuclein monomer is detected at ~14-18 kDa, additional higher-molecular weight bands may represent multimeric forms of synuclein. **Method:** Reducing SDS-PAGE; Transfer: Towbin's buffer with 20% methanol; Protein fixation: proteins were fixed on membrane (0.4% formaldehyde, 30 minutes at room temperature) after transfer, as described by Lee & Kamitani, 201; Blocking: 5% skim milk, 1 hour at room temperature; Primary antibody: 1.5 µg/mL, overnight incubation at 2-8°C; Secondary antibody: anti-sheep-HRP (1:6,000); Detection: Chemiluminiscence. Peptide blocking was carried out in presence of two-fold mass excess of peptide over antibody.



Analysis of pan-synuclein expression in rat PC-12 and C6 cell lines by **Flow Cytometry**. Cells were fixed and permeabilized in methanol (10 minutes). Blocking: 15% horse serum, 30 minutes on ice; Primary antibody: Rabbit polyclonal antibody to pan-synuclein (R-2110-100, red, 20 µg/mL), 60 minutes on ice. Secondary antibody: donkey anti-rabbit-PE (1:100 dilution), 30 minutes in dark on ice. Negative control: Non-specific Control rabbit IgG, (black dashed). Data and results were generated using Orflo MoxiGo^{TM} instrument and protocols.

Created on 19. November 2026 | All information without guarantee