

Anti-Spectrin, alpha II Antibody

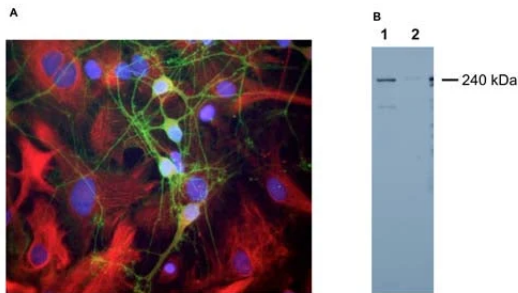


Product Details

Available Variants	100 µL (SKU:R-1694-100)
Conjugate	Unconjugated
Isotype	IgG
Host Species	Rabbit
Format	Whole serum
Physical State	Lyophilized
Buffer	Lyophilized with sodium azide.
Applications	ICC, WB
Dilution Ranges	WB: 1:5000-1:10000 ICC: 1:500-1:1000
Species Reactivity	Human, Mouse
Immunogen	The antibody was raised against a mix of five recombinant constructs containing the entire C-terminal region of human alpha-II spectrin (amino acids 676-2,400).
Specificity	The antibody reacts with a 240 kDa band by Western blot on mouse sciatic nerve extract. Minor bands below may be seen and this likely represents in vivo proteolytic fragments of alpha-II spectrin. It has also been used successfully for immunocytochemistry.
Molecular Weight	240 kDa
Storage	Spin vial briefly before opening. Reconstitute with 100 µL sterile-filtered, ultrapure water. Centrifuge to remove any insoluble material. Store lyophilized, unopened vial at 2-8°C or lower. After reconstitution, prepare aliquots and store at -20°C to -80°C for a higher stability. Avoid freeze-thaw cycles.
UniProt ID	<u>Q13813</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



A: Immunofluorescence staining of mixed neuron-glial cultures with R-1694-100 (green). The alpha-II spectrin rabbit antibody stains numerous axonal and dendritic profiles in these cultures, clearly revealing the submembraneous cytoskeleton. Since alpha-II spectrin is specific for neurons in the CNS, the glial cells in this culture are not recognized by this antibody. Cells were double-immunostained with a nestin antibody (red), and a DNA dye (blue).

B: Western blot analysis of mouse sciatic nerve extract (Lanes 1 and 2). A prominent band running at 240 kDa represents the intact alpha-II spectrin heavy chain. Bands at lower molecular weight are present, which likely represent in vivo proteolytic fragments of alpha-II spectrin.

Product Page URL: www.antibodiesinc.com/products/anti-spectrin-alpha-ii-antibody-r-1694-100



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