

Anti- α I-Spectrin , cleavage-specific Antibody

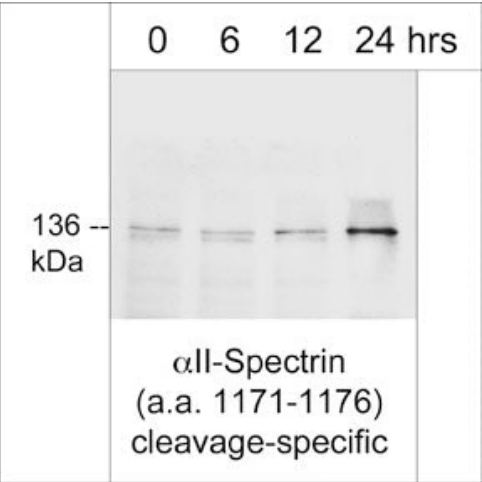


Product Details

Available Variants	100 μ L (SKU:SP5601)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	SPTAN1
Host Species	Rabbit
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN ₃ and 50% glycerol
Applications	ELISA, WB
Dilution Ranges	WB: 1:1000
Species Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide (coupled to KLH) corresponding to amino acid residues around the calpain cleavage site, tyrosine 1176 in human α I-spectrin. This sequence has high homology with similar regions in rat and mouse α I-spectrin, but is not found in other spectrin family members.
Specificity	The antibody detects a 136 kDa* cleaved fragment corresponding to α I-Spectrin on SDS-PAGE immunoblots of mouse diaphragm treated with thapsigargin. The antibody only detects cleaved α I-Spectrin and does not detect full length α I-Spectrin.
Molecular Weight	136
Quality Control	Western blots performed on each lot.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.

UniProt ID	Q13813
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.

Product Images



Western blot analysis of adult mouse diaphragm treated with thapsigargin for 0, 6, 12, or 24 hours to induce cleavage of α II-spectrin from 250 kDa to 136 kDa. The blot was probed with rabbit polyclonal α II-spectrin (a.a. 1171-1176) cleavage-specific antibody at a dilution of 1:1,000 (Image provided by Dr. Leigh Ann Callahan, Department of Internal Medicine, University of Kentucky.)

Product Page URL: www.antibodiesinc.com/products/anti-aii-spectrin-cleavage-specific-antibody-sp5601

