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PRODUCT DATASHEET

Anti-αII-Spectrin , cleavage-specific Antibody

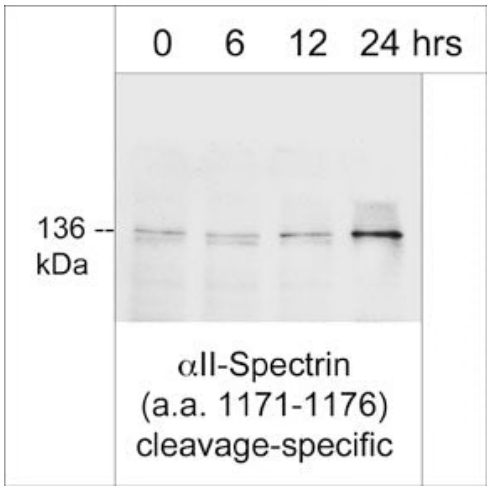
phosphosolutions ANTIBODIES THAT WORK

Product Details

Available Variants	100 µL (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% NaN3 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 αII-spectrin. This sequence has high homology with similar regions in rat and mouse αII-spectrin, but is not found in other spectrin family members.
Specificity	The antibody detects a 136 kDa* cleaved fragment corresponding to αII-Spectrin on SDS-PAGE immunoblots of mouse diaphram treated with thapsigargin. The antibody only detects cleaved αII-Spectrin and does not detect full length αII-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 UniProt Summary: Fodrin, which seems to be involved in secretion, interacts with calmodulin in a calcium-dependent manner and is thus candidate for the calcium-dependent movement of the cytoskeleton at the membrane.
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.
NCBI Gene ID	6709

Product Images



Western blot analysis of adult mouse diaphram treated with thapsigargin for 0, 6, 12, or 24 hours to induce cleavage of αII-spectrin from 250 kDa to 136 kDa. The blot was probed with rabbit polyclonal αII-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.)