

Product datasheet for **AM32079PU-N**

SPTAN1 Mouse Monoclonal Antibody [Clone ID: AA6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AA6
Applications:	ELISA, IHC, WB
Recommended Dilution:	Western blotting: 1/1000. Immunohistochemical on Frozen Sections. Other Immunoassays for cellular and tumor biology.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Chicken red blood cell membranes purified by hypotonic lysis and mechanical enucleation. Hybridoma produced by fusion between myeloma cells and Balb/c spleen cells.
Specificity:	The antibody clone AA6 is specific to the 240 kD Alpha-Fodrin molecule of all Mammalian nonerythroid cells and Chicken Alpha-Spectrin.
Formulation:	PBS State: Ig Fraction State: Liquid Ig fraction Stabilizer: 1.0% BSA Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	spectrin, alpha, non-erythrocytic 1
Database Link:	P07751



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Background:

Fodrin is a universally expressed membrane associated cytoskeletal protein consisting of alpha and beta subunits. The protein is important for maintaining normal membrane structure and supporting cell surface protein function. Alpha Fodrin is one of the important targets cleaved by caspases during apoptosis. The full length 240 kDa protein can be cleaved at several sites within its sequence by activated caspases generating N terminal 150 kDa, C terminal 120 kDa, and 35 kDa major products. Cleavage of alpha Fodrin leads to membrane malfunction and cell shrinkage.

Synonyms:

Spectrin non-erythroid alpha chain, Alpha-II spectrin, Fodrin alpha chain, SPTA2