

Product datasheet for **AP32983SU-N**

Alpha Fodrin (SPTAN1) Rabbit Polyclonal Antibody

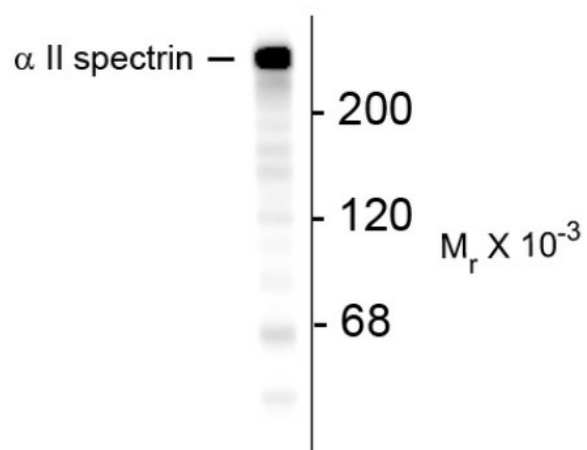
Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	Western Blot: 1/3000. Immunohistochemistry. Immunofluorescence: 1/500.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Recombinant construct containing the seventh, eighth and ninth repeats of Human Alpha II Spectrin expressed in and purified from E. Coli.
Specificity:	Specific for Alpha II Spectrin.
Formulation:	State: Serum State: Affinity purified antibody containing 10 mM sodium azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	spectrin alpha, non-erythrocytic 1
Database Link:	Entrez Gene 6709 Human Q13813
Background:	The spectrin family of cytoskeletal proteins is comprised of 2 alpha genes ($\alpha 1$ and $\alpha 2$) and five beta genes ($\beta 1$ - $\beta 5$). Spectrins have been shown to function as scaffolding proteins in mechanical support of the plasma membrane as well as bind other membrane proteins and lipids (Bennett and Baines 2001). Defects in spectrin genes have been linked to some forms of hereditary spherocytosis, a type of auto-hemolytic anemia which is characterized by spherical red blood cells that are more prone to lysis (Eber and Lux 2004).
Synonyms:	Spectrin non-erythroid alpha chain, Alpha-II spectrin, Fodrin alpha chain, SPTA2

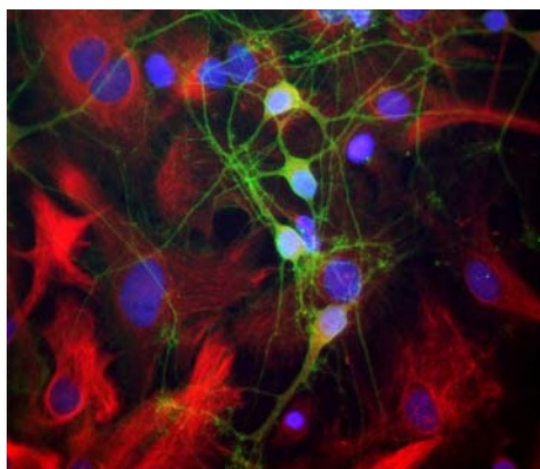


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Product images:



Western blot of mouse brain lysate showing specific immunolabeling of the ~240k alpha II spectrin protein.



Immunofluorescence of cultured rat neurons and glia showing axonal and dendritic staining of alpha II spectrin (green) revealing the submembraneous cytoskeleton and Nestin (red).