

Rabbit Alpha II Spectrin Polyclonal Antibody | anti-SPTAN1 antibody

Anti-Alpha II Spectrin

CATALOG # AAA72820	HOST Rabbit	REACTIVITY Human, mouse, rat	APPLICATIONS Immunocytochemistry, Immunohistochemistry, Western Blot
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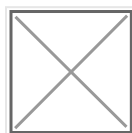
PRODUCT SYNONYMS

Alpha II Spectrin; Polyclonal Antibody; Anti-Alpha II Spectrin; anti-SPTAN1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse, rat
Clonality	Polyclonal
Specificity	Specific for the ~240 k alpha II spectrin protein.
Purity/Purification	Serum (neat serum)
Form/Format	100 ul neat serum.
Sequence Length	2477
Applicable Applications for anti-SPTAN1 antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Antigen	Recombinant construct containing the seventh, eighth and ninth repeats of human alpha II spectrin expressed in and purified from E. Coli.
Biological Significance	The spectrin family of cytoskeletal proteins is comprised of 2 alpha genes (alpha1 and alpha2) and five beta genes (beta1-beta5). 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).
Preparation and Storage	Store at -20 degree C in undiluted aliquots; stable for at least 1 year. Avoid freeze/thaw cycles.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-SPTAN1 antibody	Rabbit polyclonal antibody
References	- Bennett V & Baines AJ.(2001) Spectrin and ankyrin-based pathways: metazoan inventions for integrating cells into tissues. <i>Physiol Rev.</i> 81:1353-92. - Eber S & Lux SE. (2004) Hereditary spherocytosis--defects in proteins that connect the membrane skeleton to the lipid bilayer. <i>Semin Hematol</i> 41:118-41.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1805280
NCBI GeneID	6709
UniProt Accession #	Q13813; Q13186; Q15324; Q16606; Q59EF1; Q5VXV5; Q5VXV6; Q7Z6M5; Q9P0V0
Molecular Weight	~240 kDa
NCBI Official Full Name	alpha II spectrin
NCBI Official Synonym Full Names	spectrin, alpha, non-erythrocytic 1
NCBI Official Symbol	SPTAN1
NCBI Official Synonym Symbols	NEAS; EIEE5; SPTA2
NCBI Protein Information	spectrin alpha chain, non-erythrocytic 1; alpha-fodrin; alpha-II spectrin; fodrin alpha chain; spectrin, non-erythroid alpha chain; spectrin, non-erythroid alpha subunit
UniProt Protein Name	Spectrin alpha chain, non-erythrocytic 1
UniProt Gene Name	SPTAN1
UniProt Synonym Gene Names	NEAS; SPTA2
UniProt Entry Name	SPTN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/alpha-ii-spectrin-antibody-immunocytochemistry-immunohistochemistry-western-blot-elisa/72820>