Mouse anti-Human Fodrin/Alpha Spectrin II (SPTAN1)/NEAS Monoclonal Antibody | anti-SPTAN1 antibody

Fodrin/Alpha Spectrin II (SPTAN1)/NEAS Mouse Monoclonal Antibody [Clone SPTAN1/3505]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215944	**Mouse**	**Human**	**Immunohistochemistry**

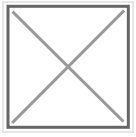
PRODUCT SYNONYMS

Fodrin/Alpha Spectrin II (SPTAN1)/NEAS; Monoclonal Antibody; Fodrin/Alpha Spectrin II (SPTAN1)/NEAS Mouse Monoclonal Antibody [Clone SPTAN1/3505]; Alpha-II spectrin; brain; EIEE5; Fodrin alpha chain; NEAS; Non erythrocytic spectrin alpha; non-erythroid alpha chain; SPECA; Spectrin alpha chain brain; Spectrin; alpha; non-erythrocytic 1 (alpha-fodrin); Spna2; SPTA2; anti-SPTAN1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG2b, kappa
Clone Number	SPTAN1/3505
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0. 05% BSA & 0. 05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-SPTAN1 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant fragment of human SPTAN1 protein (around aa2351-2475) (exact sequence is proprietary))
Cellular Localization	Cytoplasm
Positive Control	Human colon or kidney tissues (IHC).
Hu-chromosome Location	9q34.11
Unigene	372331
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human placenta stained with Fodrin, alpha Mouse Monoclonal Antibody (SPTAN1/3505).

ADDITIONAL INFORMATION

Related Product Information for anti-SPTAN1 antibody	Spectrin, an actin binding protein that is a major component of the cytoskeletal superstructure of the erythrocyte plasma membrane, is essential in determining the properties of the membrane including its shape and deformability. Spectrins function as membrane organizers and stabilizers, composed of nonhomologous alpha and beta chains, which aggregate side-to-side in an antiparallel fashion to form dimers, tetramers, and higher polymers. Spectrin alpha I and spectrin beta I are present in erythrocytes, whereas spectrin alpha II (also designated fodrin alpha) and spectrin beta II (also designated fodrin beta) are present in other somatic cells. The spectrin tetramers in erythrocytes act as barriers to lateral diffusion, but spectrin dimers seem to lack this function. Activation of calpain results in the breakdown of spectrin alpha II, a neuronal cytoskeleton protein.

NCBI AND UNIPROT INFORMATION

NCBI GI #	194595509
NCBI GeneID	6709
NCBI Accession #	NP_001123910.1
NCBI GenBank Nucleotide #	NM_001130438.2
UniProt Accession #	Q13813; Q13186; Q15324; Q16606; Q59EF1; Q5VXV5; Q5VXV6; Q7Z6M5; Q9P0V0
Molecular Weight	284,539 Da
NCBI Official Full Name	spectrin alpha chain, non-erythrocytic 1 isoform 1
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/monoclonal/fodrin-alpha-spectrin-ii-sptan1-neas-antibody-clone-sptan1-3505-immunohistochemistry-elisa/215944