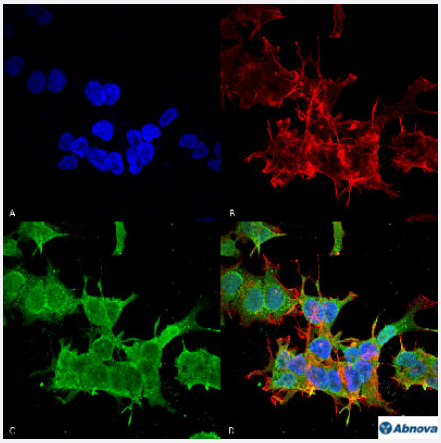
SPTBN4 monoclonal antibody, clone S393-2 (Biotin)

Catalog # MAB16461 Size 100 ug

Applications



Immunocytochemistry

Immunocytochemical staining of SK-N-BE with SPTBN4 monoclonal antibody, clone S393-2 (Biotin) (Cat # MAB16461). (A) DAPI (blue) nuclear stain, (B) Phalloidin Texas Red F-Actin stain, (C) SPTBN4 Antibody and (D) Composite.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human SPTBN4.
Immunogen	Recombinant protein corresponding to amino acids 1621-1832 at C-terminus of human SPTBN4.
Host	Mouse
Reactivity	Human
Form	Liquid
Conjugation	Biotin
Purification	Protein G purification
Isotype	IgG1

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Recommend Usage	Immunocytochemistry Immunofluorescence Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (50% glycerol, 0.09% sodium azide).
Storage Instruction	Store at 4°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunofluorescence
- Immunocytochemistry

  Immunocytochemical staining of SK-N-BE with SPTBN4 monoclonal antibody, clone S393-2 (Biotin) (Cat # MAB16461). (A) DAPI (blue) nuclear stain, (B) Phalloidin Texas Red F-Actin stain, (C) SPTBN4 Antibody and (D) Composite.

- Western Blot

Gene Info — SPTBN4

Entrez GeneID	57731
Protein Accession#	Q9H254
Gene Name	SPTBN4
Gene Alias	KIAA1642, QV, SPNB4, SPTBN3
Gene Description	spectrin, beta, non-erythrocytic 4
Omim ID	606214
Gene Ontology	Hyperlink

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Gene Summary	Spectrin is an actin crosslinking and molecular scaffold protein that links the plasma membrane to the actin cytoskeleton, and functions in the determination of cell shape, arrangement of transmem brane proteins, and organization of organelles. It is composed of two antiparallel dimers of alpha- and beta- subunits. This gene is one member of a family of beta-spectrin genes. The encoded pro tein localizes to the nuclear matrix, PML nuclear bodies, and cytoplasmic vesicles. A highly similar gene in the mouse is required for localization of specific membrane proteins in polarized regions of neurons. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	betaIV spectrin

Publication Reference

- BetaIV spectrins are essential for membrane stability and the molecular organization of nodes of Ranvier.

  Yang Y, Lacas-Gervais S, Morest DK, Solimena M, Rasband MN.

  The Journal of Neuroscience 2004 Aug; 24(33):7230.

Disease

- Cerebral Hemorrhage
- Genetic Predisposition to Disease
- Hypertension
- Intracranial Hemorrhages
- Stroke
- Subarachnoid Hemorrhage
- Tobacco Use Disorder

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