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SPTBN3 Rabbit pAb

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Catalog # AP56774

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9H254
Reactivity	Mouse
Predicted	Rat, Human, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	288985
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SPTBN3
Epitope Specificity	2401-2500/2564
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm > cytoskeleton. Cytoplasm > cell cortex.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. The spectrin tetramers in erythrocytes act as barriers to lateral diffusion, but spectrin dimers seem to lack this function. Spectrin beta IV is a non-erythrocytic member of the beta-spectrin family. It is expressed in brain and pancreatic islets and localizes to the nuclear matrix, cytoplasmic vesicles and PML nuclear bodies. Spectrin beta IV is a 2,564 amino acid protein with four isoforms due to alternative splicing events.

Additional Information

Gene ID	57731
Other Names	Spectrin beta chain, non-erythrocytic 4, Beta-IV spectrin, Spectrin, non-erythroid beta chain 3, SPTBN4, KIAA1642, SPTBN3
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

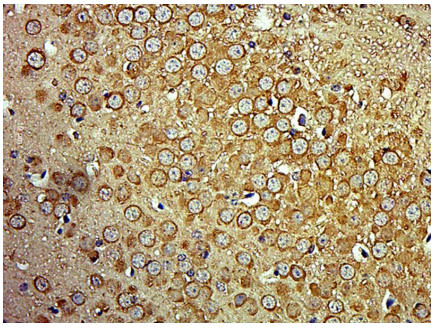
Protein Information

Name	SPTBN4
Synonyms	KIAA1642, SPTBN3
Cellular Location	Cytoplasm, cytoskeleton. Cytoplasm, cell cortex
Tissue Location	Expressed in skeletal muscle at the sarcolemma and in the muscle capillaries (at protein level) (PubMed:28540413) Abundantly expressed in brain and pancreatic islets (PubMed:11086001)

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Images



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SPTBN3) Polyclonal Antibody, Unconjugated (AP56774) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.