



Anti-SPTBN4 polyclonal antibody (DPAB-DC2611)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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 transmembrane 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 protein 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.
Immunogen	Recombinant protein corresponding to amino acids of recombinant SPTBN4. The sequence is REEDYARIVAASEALLAADGAEGLGPGLALDEWLPHLELGWHKLLGLWEARREALVQAHIV QLFLRDLRQALVVLRNQEMALSGAELPGTVESVE
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	IHC-P,
Format	Liquid
Size	100 µl

Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Preservative	0.02% Sodium Azide
Storage	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	SPTBN4 spectrin, beta, non-erythrocytic 4 [Homo sapiens (human)]
Official Symbol	SPTBN4
Synonyms	SPTBN4; spectrin, beta, non-erythrocytic 4; QV; SPNB4; SPTBN3; spectrin beta chain, non-erythrocytic 4; beta-IV spectrin; spectrin beta chain, brain 3; spectrin, non-erythroid beta chain 3;
Entrez Gene ID	57731
Protein Refseq	NP_066022
UniProt ID	Q9H254
Chromosome Location	19q13.13
Pathway	Axon guidance; Interaction between L1 and Ankyrins; NCAM signaling for neurite out-growth.
Function	actin binding; ankyrin binding; phosphatase binding; phospholipid binding
