

Datasheet for ABIN6938443

Recombinant anti-Spectrin, Beta, Non-erythrocytic 2 (SPTBN2) (AA 356-475) antibody



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Overview

Quantity:	100 µg
Target:	Spectrin, Beta, Non-erythrocytic 2 (SPTBN2)
Binding Specificity:	AA 356-475
Reactivity:	Human
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Coating (Coat)

Product Details

Immunogen:	Recombinant fragment (around aa356-475) of human SPTBN2 protein (exact sequence is proprietary)
Clone:	RSPTBN2-1778
Isotype:	IgG1 kappa
Specificity:	Spectrin is an actin binding protein that is a major component of the plasma membrane skeleton. Spectrins function as membrane organizers and stabilizers by forming dimers, tetramers and higher polymers. Vertebrate spectrins have two alpha-subunits (alpha-I/alpha-II) four beta-subunits (beta-I-beta-IV) and a beta-H subunit creating diversity and specialization of function. Spectrin and spectrin are present in erythrocytes, whereas spectrin II (also designated fodrin) and spectrin I (also designated fodrin) are present in other somatic cells. The spectrin

Product Details

tetramers in erythrocytes act as barriers to lateral diffusion, but spectrin dimers seem to lack this function. Spectrin III is highly homologous to both spectrin I and spectrin II. Spectrin III is highly expressed in brain, kidney, pancreas and liver, and at lower levels in lung and placenta. Spectrin beta 3 is primarily expressed in nervous tissues with highest expression levels in the cerebellum, where it is found in Purkinje cell soma and dendrites.

Cross-Reactivity (Details):	Human.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	Spectrin, Beta, Non-erythrocytic 2 (SPTBN2)
Alternative Name:	SPTBN2 (SPTBN2 Products)
Background:	Beta III spectrin, SCA5, Spectrin beta chain brain 2, Spectrin beta non-erythrocytic 2, Spectrin non-erythroid beta chain 2, Spinocerebellar ataxia 5, SPTBN2,Spectrin beta III (SPTBN2) Cellular localisation: Cell Surface
Molecular Weight:	246kDa
Gene ID:	6712, 26915
UniProt:	O15020
Pathways:	Regulation of Actin Filament Polymerization , Synaptic Vesicle Exocytosis

Application Details

Application Notes:	Known_Application: ELISA (Use Ab at 2-4 µg/mL for coating) (Order Ab without BSA), Western Blot (1-2 µg/mL),Optimal dilution for a specific application should be determined. Positive_Control: PANC-1, HeLa or PC-3 cells. Human brain, pancreas or liver tissues (IHC).
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C

Handling

Storage Comment: Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.

Expiry Date: 24 months