

Datasheet for ABIN6938444

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
Clonality:	Monoclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF), ELISA, Coating (Coat), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant fragment (around aa356-475) of human SPTBN2 protein (exact sequence is proprietary)
Clone:	SPTBN2-1582
Isotype:	IgG2a 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 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

Product Details

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), Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), Western Blot (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT) (Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.
Positive_Control: HeLa cells. Pancreas or Liver.

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