

Datasheet for ABIN7465216 **anti-SPTBN1 antibody**



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Overview

Quantity:	100 µL
Target:	SPTBN1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SPTBN1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human SPTBN1. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	SPTBN1
Alternative Name:	spectrin beta, non-erythrocytic 1 (SPTBN1 Products)
Background:	Spectrin beta, non-erythrocytic 1 , ELF , HEL102 , SPTB2 , betaSpII, 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

Target Details

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 contains an N-terminal actin-binding domain, and 17 spectrin repeats which are involved in dimer formation. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Molecular Weight: 275 kDa

Gene ID: 6711

UniProt: [Q01082](#)

Pathways: [Regulation of Actin Filament Polymerization](#), [Protein targeting to Nucleus](#)

Application Details

Application Notes: WB: 1:500-1:10000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Positive Control: 293T , A431 , HeLa , HepG2 , mouse brain , rat brain

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.72 mg/mL

Buffer: 1XPBS (pH 7), 20 % Glycerol, 0.025 % ProClin 300

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.