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Datasheet for ABIN1714958 anti-SPTA1 antibody (AA 2151-2350)

Overview

Quantity:	100 µL
Target:	SPTA1
Binding Specificity:	AA 2151-2350
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SPTA1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Spectrin alpha chain, erythrocytic 1
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	SPTA1
Alternative Name:	Spectrin alpha chain, erythrocytic 1 (SPTA1 Products)
Background:	Synonyms: Alpha I spectrin, EL 2, EL2, Elliptocytosis 2, Elliptocytosis2, Erythrocyte alpha

Target Details

spectrin, erythrocyte, Erythroid alpha spectrin, Erythroid alpha-spectrin, Erythroid spectrin alpha, HPP, HS3, Spectrin alpha chain, Spectrin alpha chain erythrocyte, Spectrin alpha erythrocytic 1, SPH3, SPTA 1, SPTA, SPTA1, SPTA1_HUMAN, Spectrin alpha chain, erythrocytic 1.

Background: 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 a tetramer made up of alpha-beta dimers linked in a head-to-head arrangement. This gene is one member of a family of alpha-spectrin genes. The encoded protein is primarily composed of 22 spectrin repeats which are involved in dimer formation. It forms weaker tetramer interactions than non-erythrocytic alpha spectrin, which may increase the plasma membrane elasticity and deformability of red blood cells. Mutations in this gene result in a variety of hereditary red blood cell disorders, including elliptocytosis type 2, pyropoikilocytosis, and spherocytic hemolytic anemia. [provided by RefSeq, Jul 2008].

Gene ID: 6708

Pathways: [Regulation of Actin Filament Polymerization](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

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: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months