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Datasheet for ABIN6938437
anti-SPTA1 antibody (AA 356-475)

Overview

Quantity:	100 µg
Target:	SPTA1
Binding Specificity:	AA 356-475
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SPTA1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Coating (Coat), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant human SPTA fragment (around aa356-475) (exact sequence is proprietary)
Clone:	SPTA1-1832
Isotype:	IgG2b kappa
Specificity:	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. Spectrins function as membrane organizers and stabilizers, composed of non-homologous) are present in other somatic cells. The spectrin tetramers in erythrocytes act as barriers to lateral diffusion, but spectrin dimers seem to lack this function.
Cross-Reactivity (Details):	Human.

Product Details

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target: SPTA1

Alternative Name: SPTA1 ([SPTA1 Products](#))

Background: Alpha I spectrin, Elliptocytosis 2 (EL2), Erythrocyte alpha spectrin, Erythroid alpha-spectrin, HPP, HS3, Spectrin alpha erythrocytic 1, SPH3, SPTA1, Spectrin Alpha 1 (Erythrocyte Marker)
Cellular localisation: Cytoplasmic and Cell Surface

Molecular Weight: 240kDa

Gene ID: 6708, 119825

UniProt: [P02549](#)

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

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). 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: K562, HeLa, Jurkat cells. Placenta or Tonsil.

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

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

Expiry Date: 24 months