Datasheet for ABIN6654212

anti-SPTA1 antibody (AA 356-475)

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Overview

Quantity:	100 µg
Target:	SPTA1
Binding Specificity:	AA 356-475
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This SPTA1 antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	A portion of amino acids 356-475 from the human protein was used as the immunogen for the recombinant Spectrin alpha 1 antibody.
Clone:	SPTA1-2939R
Isotype:	IgG kappa
Purification:	Purified
Purity:	Protein A affinity chromatography

Target Details

Target:	SPTA1
Alternative Name:	SPTA1 / Spectrin alpha 1 (SPTA1 Products)

Target Details

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. Spectrins function as membrane organizers and stabilizers, composed of non-homologous and chains, which aggregate side-to-side in an anti-parallel fashion to form dimers, tetramers and higher polymers. Spectrin Ia and spectrin Ib are present in erythrocytes, whereas spectrin IIa (also designated fodrin alpha) and spectrin IIb (also designated fodrin beta) 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.

Application Details

Application Notes:	Optimal dilution of the recombinant Spectrin alpha 1 antibody should be determined by the researcher. 1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.\. Immunohistochemistry (FFPE): 1-2 µg/mL for 30 min at RT,Prediluted IHC only format: incubate for 30 min at RT (1)
Restrictions:	For Research Use only

Handling

Buffer:	0.2 mg/mL in 1X PBS with 0.1 mg/mL BSA (US sourced) and 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store the recombinant Spectrin alpha 1 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

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