Datasheet for ABIN7248185

anti-SPTA1 antibody

2 Images

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Overview

Quantity:	200 µL
Target:	SPTA1
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SPTA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Synthetic peptide of human SPTA1
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Antigen affinity purification

Target Details

Target:	SPTA1
Alternative Name:	SPTA1 (SPTA1 Products)
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

Target Details

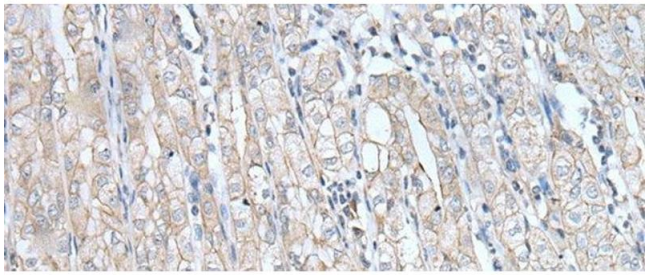
	family of alpha-spectrin genes. The encoded protein is primarily composed of 22 spectrin repeats which are involved in dimer formation. It forms weaker tetramer interactions than non-erythrocytic alpha spectrin, which may increase the plasma membrane elasticity and deformability of red blood cells. Mutations in this gene result in a variety of hereditary red blood cell disorders, including elliptocytosis type 2, pyropoikilocytosis, and spherocytic hemolytic anemia.
Molecular Weight:	Observed_MW: Refer to figures Calculated_MW: 280 kDa
UniProt:	P02549
Pathways:	Regulation of Actin Filament Polymerization

Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:60-1:450, ELISA 1:5000-1:10000
Restrictions:	For Research Use only

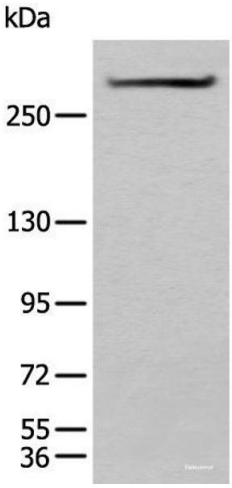
Handling

Format:	Liquid
Concentration:	1.7 mg/mL
Buffer:	PBS with 0.05 % Sodium azide and 40 % Glycerol, pH 7.4
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using SPTA1 Polyclonal Antibody at dilution of 1:80(x200)



Western Blotting

Image 2. Western blot analysis of Mouse heart tissue lysate using SPTA1 Polyclonal Antibody at dilution of 1:550

