antibodies

Datasheet for ABIN7170440 anti-SPTBN1 antibody (AA 2096-2256)

3 Images



Overview

Quantity:	100 µg
Target:	SPTBN1
Binding Specificity:	AA 2096-2256
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SPTBN1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

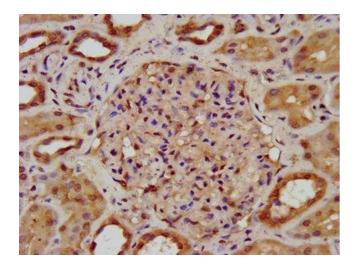
Immunogen:	Recombinant Human Spectrin beta chain, non-erythrocytic 1 protein (2096-2256AA)
Isotype:	lgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

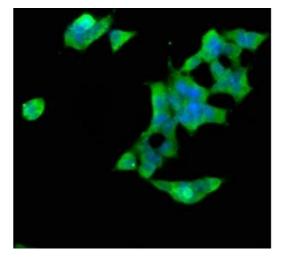
Target Details

Target:	SPTBN1
Alternative Name:	SPTBN1 (SPTBN1 Products)
Background:	Background: Fodrin, which seems to be involved in secretion, interacts with calmodulin in a
	calcium-dependent manner and is thus candidate for the calcium-dependent movement of the

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	cytoskeleton at the membrane.
	Aliases: Beta G spectrin antibody, Beta II spectrin antibody, Beta spectrin 2 antibody, Beta
	spectrin II antibody, Beta-II spectrin antibody, betaSpII antibody, brain 1 antibody, ELF antibody,
	Embryonic liver beta fodrin antibody, Fodrin beta chain antibody, non-erythroid beta chain 1
	antibody, Spectrin antibody, Spectrin beta chain antibody, Spectrin, beta, non erythrocytic 1
	antibody, Spectrin, non erythroid beta chain 1 antibody, SPTB2 antibody, SPTB2_HUMAN
	antibody, SPTBN1 antibody
UniProt:	Q01082
Pathways:	Regulation of Actin Filament Polymerization, Protein targeting to Nucleus
Application Details	
Application Notes:	Recommended dilution: IHC:1:200-1:500, IF:1:50-1:200,
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300
	Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be
	handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.





Immunohistochemistry

Image 1. IHC image of ABIN7170440 diluted at 1:200 and staining in paraffin-embedded human kidney tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

Immunohistochemistry

Image 2. IHC image of ABIN7170440 diluted at 1:200 and staining in paraffin-embedded human lung tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

Immunofluorescence

Image 3. Immunofluorescence staining of 293 cells with ABIN7170440 at 1:66, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).

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