

Datasheet for ABIN2787729
anti-SPTAN1 antibody (N-Term)



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3 Images

Overview

Quantity:	100 µL
Target:	SPTAN1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Pig, Dog, Horse, Zebrafish (Danio rerio), Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SPTAN1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human SPTAN1
Sequence:	MDPSGVKVL E TAEDIQERRQ QVLDRYHRFK ELSTLRRQKL EDSYRFQFFQ
Predicted Reactivity:	Cow: 100%, Dog: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against SPTAN1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	SPTAN1
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Target Details

Alternative Name:	SPTAN1 (SPTAN1 Products)
Background:	<p>Fodrin (SPTAN1), 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 cytoskeleton at the membrane.</p> <p>Alias Symbols: (ALPHA)II-SPECTRIN, FLJ44613, NEAS, EIEE5, SPTA2</p> <p>Protein Interaction Partner: SUMO3, CEP57, VCP, CEP76, STAU1, UBC, MDM2, RPA3, RPA2, RPA1, ZBTB1, EHBP1L1, NUP188, GPHN, PPP4R1, PPFIA1, PLS1, FAU, CRYZ, RPS24, PTBP1, SAV1, MAPK9, CASP7, CASP3, UBD, CAPN1, PAN2, SVIL, Tes, UBL4A, MLH1, HSP90AB1, HSP90AA1, GRIN2B, GRIN2A, GRIN1, ESR1</p> <p>Protein Size: 2472</p>
Molecular Weight:	272 kDa
Gene ID:	6709
NCBI Accession:	NM_003127 , NP_003118
UniProt:	Q13813
Pathways:	Caspase Cascade in Apoptosis , Regulation of Actin Filament Polymerization

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 2472 AA
Restrictions:	For Research Use only

Handling

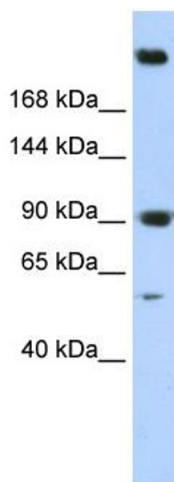
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

Handling

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



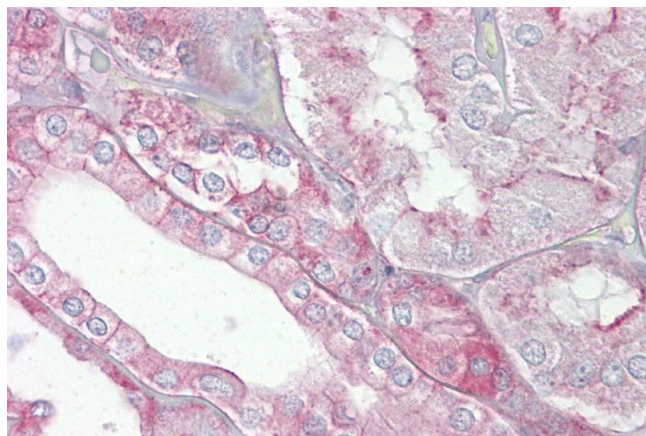
Western Blotting

Image 1. WB Suggested Anti-SPTAN1 Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:1562500

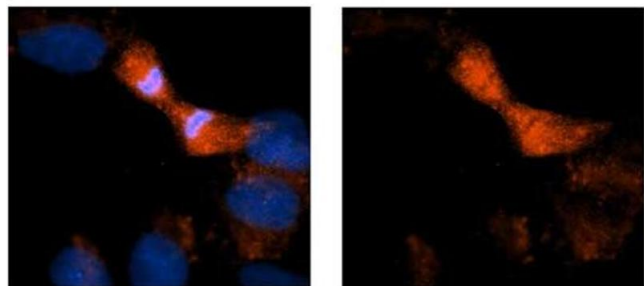
Positive Control: Hela cell lysate



Immunohistochemistry

Image 2. Immunohistochemistry with Kidney tissue at an antibody concentration of 5µg/ml using anti-SPTAN1 antibody (ARP58532_P050)

SPTAN1



Immunohistochemistry

Image 3. Sample Type: NT2 cells

Red: Antibody

Blue: DAPI

Primary Dilution: 1ug/50ul antibody

Secondary Antibody: Alexa goat anti-rabbit 594

See Immunohistochemistry 2 Data and Customer Feedback tab for more information.