

Datasheet for ABIN2792075

anti-SPTA1 antibody (N-Term)





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Overview	
Quantity:	100 μL
Target:	SPTA1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SPTA1 antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	The immunogen is a synthetic peptide directed towards the N-terminal region of Human SPTA1

Immunogen:	The immunogen is a synthetic peptide directed towards the N-terminal region of Human SPTA1
Sequence:	DELSGWMNEK TAAINADELP TDVAGGEVLL DRHQQHKHEI DSYDDRFQSA
Predicted Reactivity:	Cow: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 92%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against SPTA1. It was validated on Western Blot.
Purification:	Affinity Purified

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 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.

Alias Symbols: EL2, HPP, HS3, SPH3, SPTA

Protein Interaction Partner: ANK1, PTPRO, UBC, YWHAQ, MYBL2, PTPN22, BTK, UBASH3B, SHC1, CBL, FASLG, NCOA3, ENAH, EVL, SPTBN2, ABI1, VASP, PLEC, SLC9A2, FANCC, SPTB,

ADD1, ACTA1, ABL1, EZR, FANCA, ERCC4,

Protein Size: 2419

Molecular Weight:	266 kDa
Gene ID:	6708
NCBI Accession:	NM_003126, NP_003117
UniProt:	P02549
Pathways:	Regulation of Actin Filament Polymerization

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.	
Restrictions:	For Research Use only	

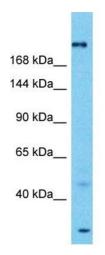
Handling

Format:	Liquid
Concentration:	1 mg/mL
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

Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeat freeze-thaw cycles.
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



Host: Rabbit

Target Name: SPTA1

Sample Tissue: Fetal Liver Lysate

Antibody Dilution: 1.0µg/ml

Western Blotting

Image 1. Host: Rabbit Target Name: SPTA1 Sample Tissue:

Human Fetal Liver Antibody Dilution: 1ug/ml