

Datasheet for ABIN2792075  
**anti-SPTA1 antibody (N-Term)**



[Go to Product page](#)

1 Image

## 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
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 ( <a href="#">SPTA1 Products</a> )
Background:	Spectrin is an actin crosslinking and molecular scaffold protein that links the plasma

## Target Details

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

