

Datasheet for ABIN6940643  
**anti-SPTA1 antibody (AA 356-475)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	100 µg
Target:	SPTA1
Binding Specificity:	AA 356-475
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Immunohistochemistry (IHC), ELISA, Coating (Coat), Staining Methods (StM)

## Product Details

Immunogen:	Recombinant human SPTA fragment (around aa356-475) (exact sequence is proprietary)
Clone:	SPTA1-1810
Isotype:	IgG2c kappa
Purification:	Purified by Protein A/G

## 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 membrane to the actin cytoskeleton, and functions in the determination of cell shape, arrangement of transmembrane proteins, and organization of organelles. Spectrins function as membrane organizers and stabilizers, composed of non-homologous ) are present in other

## Target Details

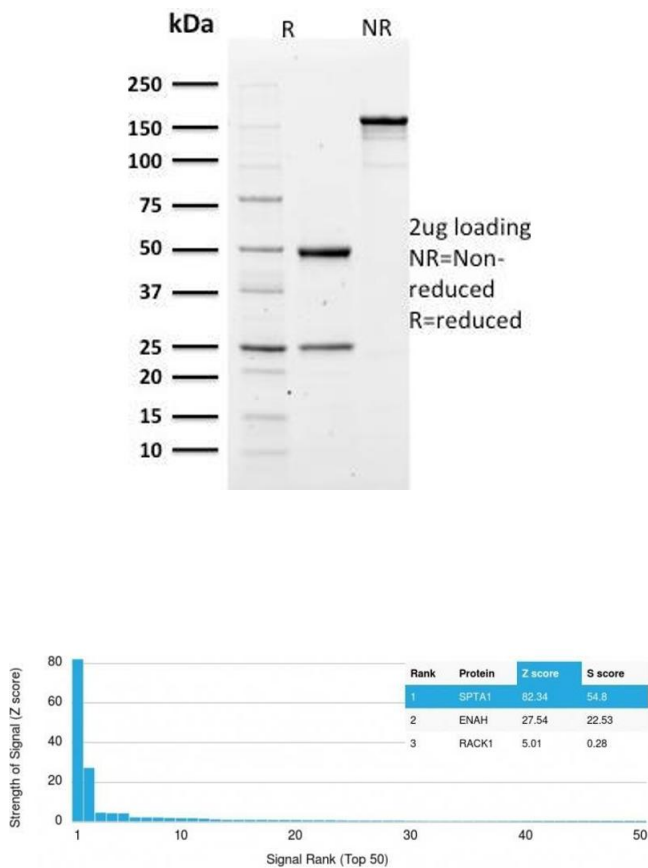
	somatic cells. The spectrin tetramers in erythrocytes act as barriers to lateral diffusion, but spectrin dimers seem to lack this function.
Molecular Weight:	240kDa
Gene ID:	6708
UniProt:	<a href="#">P02549</a>
Pathways:	<a href="#">Regulation of Actin Filament Polymerization</a>

## Application Details

Application Notes:	Positive Control: Jurkat cells. Placenta or Tonsil. Known Application: ELISA (Use Ab at 2-4 µg/mL for coating) (Order Ab without BSA), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT) (Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

## Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
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:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months

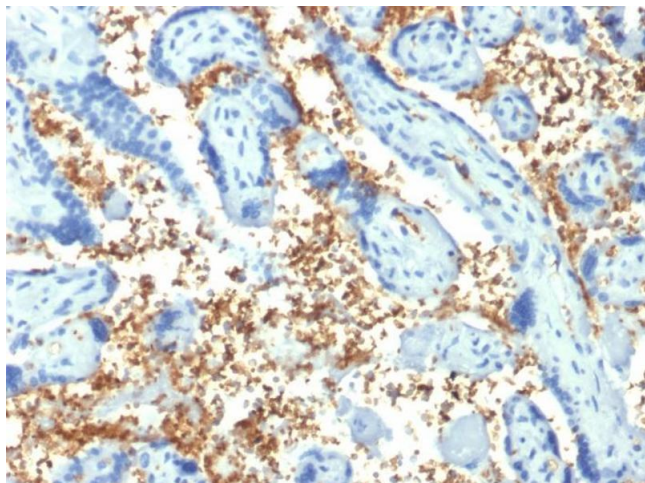


SDS-PAGE

**Image 1.** SDS-PAGE Analysis of Purified Spectrin alpha 1 Mouse Monoclonal Antibody (SPTA1/1810). Confirmation of Purity and Integrity.

Protein Array

**Image 2.** Analysis of Protein Array containing more than 19,000 full-length human proteins using Spectrin, alpha 1 Mouse Monoclonal Antibody (SPTA1/1810) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



#### Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human Placenta stained with Spectrin alpha 1 (SPTA1) Mouse Monoclonal Antibody (SPTA1/1810).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6940643.