

Datasheet for ABIN6940648

**anti-SPTAN1 antibody (AA 2351-2475)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	SPTAN1
Binding Specificity:	AA 2351-2475
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SPTAN1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Coating (Coat)

## Product Details

Immunogen:	Recombinant fragment of human SPTAN1 protein (around aa 2351-2475) (exact sequence is proprietary)
Clone:	SPTAN1-3352
Isotype:	IgG2c kappa
Purification:	Purified by Protein A/G

## Target Details

Target:	SPTAN1
Alternative Name:	SPTAN1 ( <a href="#">SPTAN1 Products</a> )
Background:	Spectrin, an actin binding protein that is a major component of the cytoskeletal superstructure

## Target Details

of the erythrocyte plasma membrane, is essential in determining the properties of the membrane including its shape and deformability. Spectrins function as membrane organizers and stabilizers, composed of nonhomologous II, a neuronal cytoskeleton protein.

Molecular Weight: 240kDa

Gene ID: 6709

UniProt: [Q13813](#)

Pathways: [Caspase Cascade in Apoptosis](#), [Regulation of Actin Filament Polymerization](#)

## Application Details

Application Notes: Positive Control: Human colon or kidney tissues (IHC).  
Known Application: ELISA (For coating, order Ab without BSA), 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.

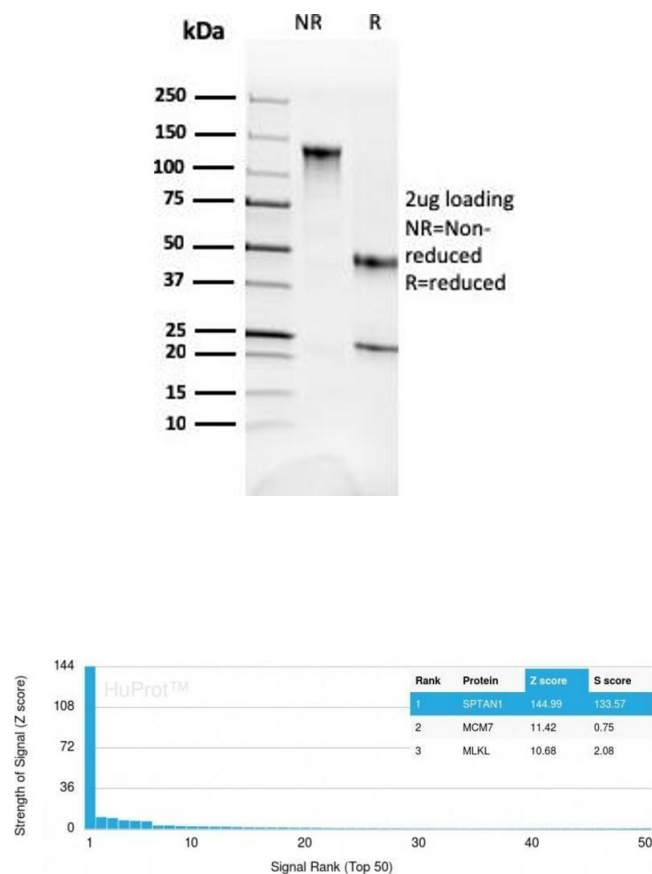
Preservative: Sodium azide

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

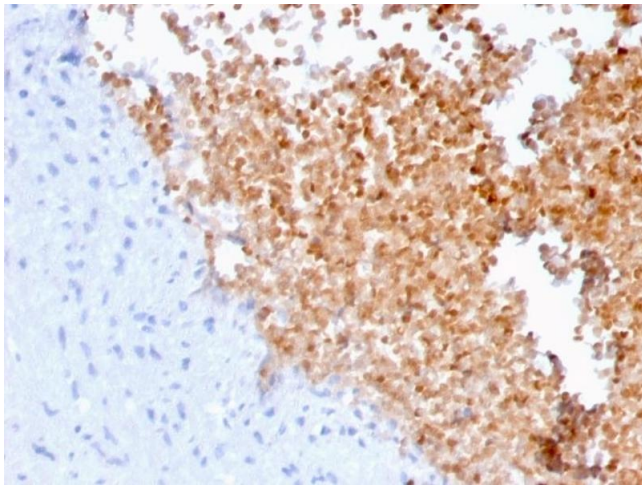


Western Blotting

**Image 1.** SDS-PAGE Analysis Purified Fodrin Mouse Monoclonal Antibody (SPTAN1/3352). Confirmation of Purity and Integrity of Antibody.

Protein Array

**Image 2.** Analysis of Protein Array containing more than 19,000 full-length human proteins using Fodrin Mouse Monoclonal Antibody (SPTAN1/3352). 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 (SDs) 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 SDs) 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 lung stained with Fodrin Mouse Monoclonal Antibody (SPTAN1/3352).