9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

# 36-3197: Anti-Fodrin / Alpha Spectrin II (SPTAN1) / NEAS Monoclonal Antibody(Clone: SPTAN1/3352)

| | |
|---|---|
| **Clonality :** | Monoclonal |
| **Clone Name :** | SPTAN1/3352 |
| **Application :** | IHC |
| **Reactivity :** | Human |
| **Gene :** | SPTAN1 |
| **Gene ID :** | 6709 |
| **Uniprot ID :** | Q13813 |
| **Alternative Name :** | Alpha-II spectrin; brain; EIEE5; Fodrin alpha chain; NEAS; Non erythrocytic spectrin alpha; non-erythroid alpha chain; SPECA; Spectrin alpha chain brain; Spectrin, alpha, non-erythrocytic 1 (alpha-fodrin); Spna2; SPTA2 |
| **Isotype :** | Mouse IgG2c, kappa |
| **Immunogen Information :** | Recombinant fragment of human SPTAN1 protein (around aa 2351-2475) (exact sequence is proprietary) |

## Description

Spectrin, an actin binding protein that is a major component of the cytoskeletal superstructure 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.

## Product Info

| | |
|---|---|
| **Amount :** | 20 µg / 100 µg |
| **Content :** | 200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml. |
| **Storage condition :** | 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. |

## Application Note

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),

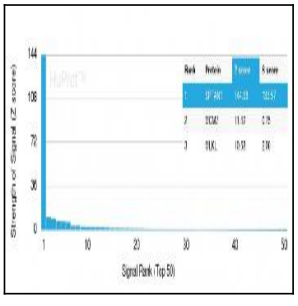


Fig. 1: Analysis of Protein Array containing more than 19,000 full-length human proteins using Fodrin Mouse Monoclonal Antibody (SPTAN1/3352). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM 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 HuProtTM 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.

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***