

Alpha II Spectrin Antibody / Alpha Fodrin / SPTAN1 / NEAS [clone SPTAN1/3352] (V8096)

Catalog No.	Formulation	Size
V8096-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8096-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8096SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

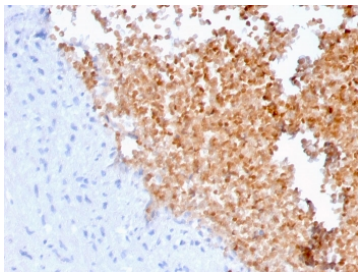
Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2c, kappa
Clone Name	SPTAN1/3352
Purity	Protein G affinity chromatography
UniProt	Q13813
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This Alpha II Spectrin antibody is available for research use only.

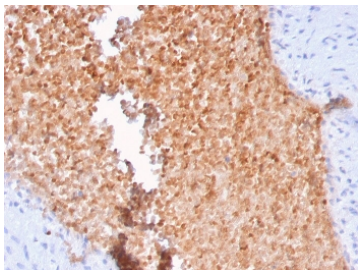
Human Protein Microarray Specificity Validation



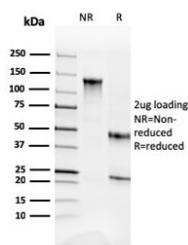
Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using SPTAN1 antibody (clone SPTAN1/3352). These results demonstrate the foremost specificity of the SPTAN1/3352 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



IHC staining of FFPE human lung with Alpha II Spectrin antibody (clone SPTAN1/3352).
HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



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SDS-PAGE analysis of purified, BSA-free Alpha II Spectrin antibody (clone SPTAN1/3352) as confirmation of integrity and purity.

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.

Application Notes

Optimal dilution of the Alpha II Spectrin antibody should be determined by the researcher.

Immunogen

A recombinant human partial protein (amino acids 2351-2475) was used as the immunogen for this SPTAN1 antibody.

Storage

Store the Alpha II Spectrin antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).