14-3-3 Sigma / Stratifin Antibody

Mouse Monoclonal Antibody [Clone CPTC-SFN-2]

Catalog No	Format	Size
2810-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2810-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2810-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

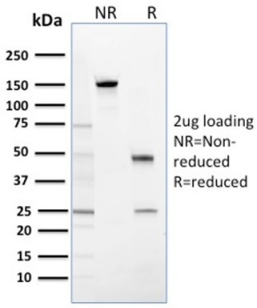
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

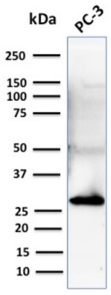
Clone	CPTC-SFN-2
Gene Name	SFN
Immunogen	Recombinant human full-length SFN protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	28kDa
Cellular Localization	Cytoplasm, Nucleus, Secreted
Species Reactivity	Human
Positive Control	A-431 cell lines., hTCEpi, PC-3 cells, Skin and tissues enriched in stratified squamous keratinizing epithelium. HaCaT

**Optimal dilution for a specific application should be determined.*

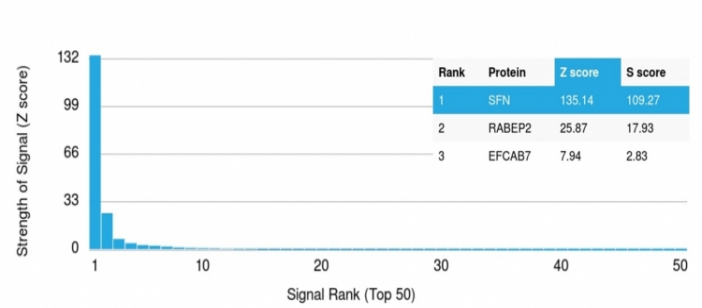
Product Images for 14-3-3 Sigma / Stratifin Antibody



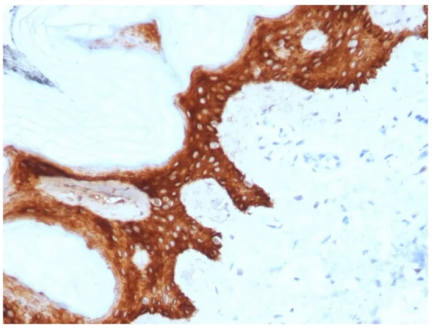
SDS-PAGE Analysis Purified Stratifin Mouse Monoclonal Antibody (CPTC-SFN-2). Confirmation of Integrity and Purity of Antibody.



Western Blot Analysis of Human PC-3 cell lysate using Stratifin Mouse Monoclonal Antibody (CPTC-SFN-2).



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing 14-3-3 Sigma / Stratifin Mouse Monoclonal Antibody (CPTC-SFN-2). 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.



Formalin-fixed, paraffin-embedded human Skin stained with Stratifin Mouse Monoclonal Antibody (CPTC-SFN-2).

Specificity & Comments

SFN (stratifin) is a p53-induced tumor suppressor gene which is activated in response to DNA damage, causing cell cycle arrest at G2 phase by blocking cdc2-cyclin B1 complex from entering the nucleus. It is inactivated in breast, lung, prostate, liver and gastric cancer. It is associated with poor prognosis when its down-regulation is observed in epithelial ovarian cancer. SFN expression could contribute to cancer cell proliferation and the development and/or progression of human gastrointestinal cancer.

Supplied As

200ug/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 and Stability

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.

Research Areas

Apoptosis, Autophagy, Infectious Disease, Signal Transduction, Transcription Factors

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.