

14-3-3 Sigma / Stratifin Antibody

Mouse Monoclonal Antibody [Clone CPTC-SFN-2]

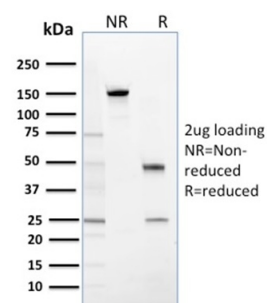
Catalog No	Format	Size
2810-MSM1-P0	Purified Ab with BSA and Azide	200ug/ml
2810-MSM1-P1	Purified Ab with BSA and Azide	200ug/ml
2810-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide	1.0mg/ml

Applications	Tested Dillution
Immunohistochemistry (IHC)	1-2ug/ml
Western Blot (WB)	2-4ug/ml

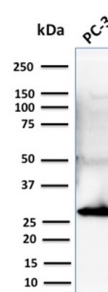
Product Details	
Clone	CPTC-SFN-2
Gene Name	SFN
Immunogen	Recombinant human full-length SFN protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	28kDa
Cellular Localization	Cytoplasm, Nucleus, Secreted
Species Reactivity	Human
Positive Control	A-431 cell lines.,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

*Optimal dilution for a specific application should be determined.

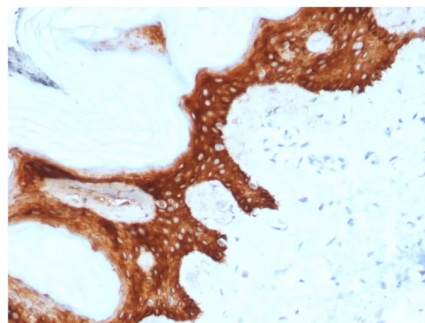
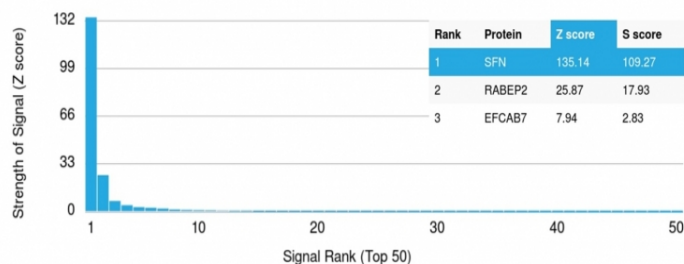
Product Images for 14-3-3 Sigma / Stratifin Antibody



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).



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

Analysis of Protein Array containing more than 19,000 full-length human proteins using 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 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 be 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.

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.

Research Areas

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

Known Applications & Suggested Dilutions

Western Blot (1-2ug/ml) | Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 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) | Optimal dilution for a specific application should be determined.

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.

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.