

36-2407: Anti-14-3-3 Sigma / Stratifin Monoclonal Antibody(Clone: CPTC-SFN-2)

Clonality :	Monoclonal
Clone Name :	CPTC-SFN-2
Application :	WB,IHC
Reactivity :	Human
Gene :	SFN
Gene ID :	2810
Uniprot ID :	P31947
Alternative Name :	SFN; HME1; Stratifin; YWHAS; 14-3-3 Sigma
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Recombinant human full-length SFN protein

Description

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.

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

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);

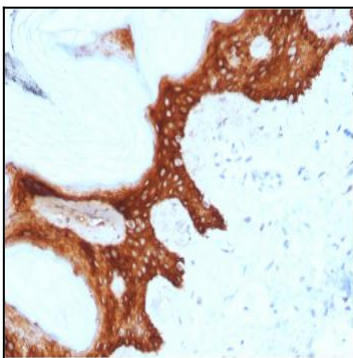


Fig. 1: Formalin-fixed, paraffin-embedded human Skin stained with Stratifin Mouse Monoclonal Antibody (CPTC-SFN-2).

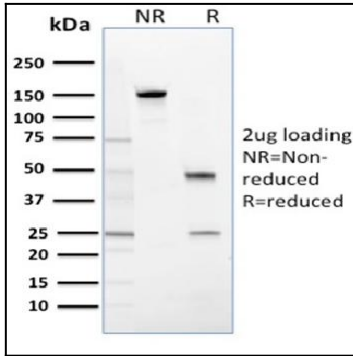


Fig. 2: SDS-PAGE Analysis Purified Stratifin Mouse Monoclonal Antibody (CPTC-SFN-2). Confirmation of Integrity and Purity of Antibody.

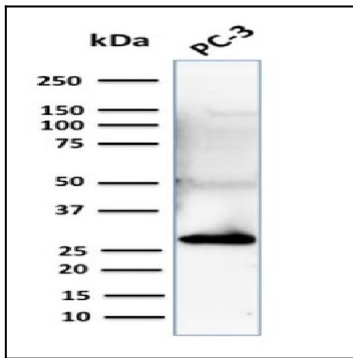


Fig. 3: Western Blot Analysis of Human PC-3 cell lysate using Stratifin Mouse Monoclonal Antibody (CPTC-SFN-2).

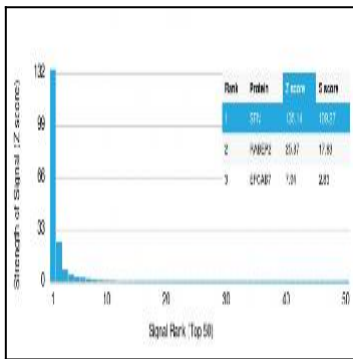


Fig. 4: Analysis of Protein Array containing more than 19,000 full-length human proteins using 14-3-3 Sigma / Stratifin Mouse Monoclonal Antibody (CPTC-SFN-2). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged 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.