

Datasheet for ABIN6939540

**anti-14-3-3 sigma/SFN antibody**

## 4 Images

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## Overview

Quantity:	100 µg
Target:	14-3-3 sigma/SFN (SFN)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This 14-3-3 sigma/SFN antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Staining Methods (StM)

## Product Details

Immunogen:	Recombinant human full-length SFN protein
Clone:	CPTC-SFN-2
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

## Target Details

Target:	14-3-3 sigma/SFN (SFN)
Alternative Name:	SFN ( <a href="#">SFN Products</a> )
Background:	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

## Target Details

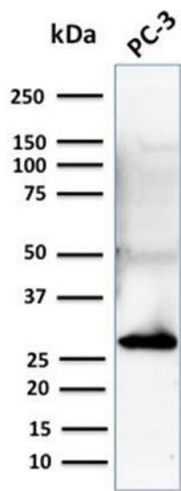
	cancer. SFN expression could contribute to cancer cell proliferation and the development and/or progression of human gastrointestinal cancer.
Molecular Weight:	28kDa
Gene ID:	2810
UniProt:	<a href="#">P31947</a>
Pathways:	<a href="#">p53 Signaling</a> , <a href="#">Myometrial Relaxation and Contraction</a>

## Application Details

Application Notes:	<p>Positive Control: PC-3 cells, Skin and tissues enriched in stratified squamous keratinizing epithelium. HaCaT, hTCEpi, A-431 cell lines.</p> <p>Known Application: Western Blot (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 min at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.</p>
Restrictions:	For Research Use only

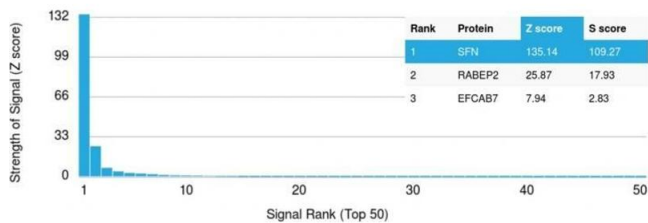
## Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	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.
Expiry Date:	24 months



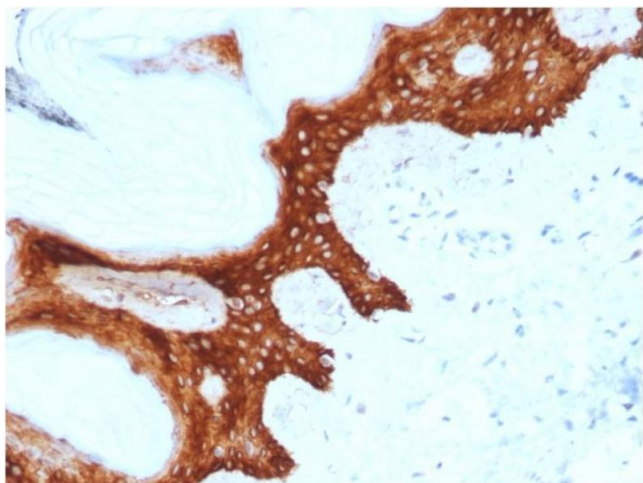
### Western Blotting

**Image 1.** Western Blot Analysis of Human PC-3 cell lysate using Stratifin Mouse Monoclonal Antibody (CPTC-SFN-2).



### Protein Array

**Image 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 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.



#### Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human Skin stained with Stratifin Mouse Monoclonal Antibody (CPTC-SFN-2).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6939540.