

Basic Information

Product Name	Anti-14-3-3 Sigma/SFN Antibody	
Gene Name	SFN	
Source	Rabbit	
Isotype	IgG	
Species Reactivity	human,rat	
Tested Application	WB,IHC	
Contents	500 ug/ml;Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.	
Immunogen	A synthesized peptide derived from human 14-3-3 sigma	
concentration	500 ug/ml	
Purification	Affinity-chromatography	
Observed MW	28KD	
Dilution Ratios	Western blot (WB):	1:500-2000
	Immunohistochemistry in paraffin section (IHC):	1:20-100

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

Stratifin(SFN), also known as 14-3-3 protein sigma, is strongly induced by gamma irradiation and other DNA-damaging agents. The induction of 14-3-3-sigma is mediated by a p53 -responsive element located 1.8 kb upstream of its transcription start site. Leffers et al.(1993)obtained peptide sequence and subsequently cloned a T-cell cDNA of the 14-3-3 family of conserved proteins. The protein, called stratifin, was shown to be diffusely distributed in the cytoplasm and was present in cultured epithelial cells. It was most abundant in tissues enriched in stratified keratinizing epithelium.

Selected Validation Data

Product datasheet

Anti-14-3-3 Sigma/SFN Antibody

Catalog Number: **BM4692**

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Western blot analysis of 14-3-3 sigma expression in A431 cell lysate.

