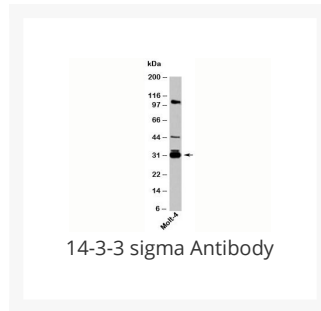




14-3-3 sigma Antibody

Cat. No.: 33-020



Ψ Specifications

HOST SPECIES:	Rabbit
SPECIES REACTIVITY:	Human, Mouse, Rat
IMMUNOGEN:	A recombinant protein fragment from the internal region of 14-3-3 sigma was used as the immunogen for this antibody. The amino acid sequence is common to the ~30kDa and ~20kDa isoforms.
TESTED APPLICATIONS:	WB
APPLICATIONS:	Western blot: 1-3 ug/ml Provided assay concentrations are suggestions only, 14-3-3 sigma antibody titration may be required for optimal results.

Ψ Properties

PURIFICATION:	Protein A affinity chromatography
CLONALITY:	Polyclonal
ISOTYPE:	IgG
CONJUGATE:	Unconjugated
PHYSICAL STATE:	Liquid

BUFFER:	PBS with 0.1 mg/ml BSA and 0.05% sodium azide
CONCENTRATION:	0.5 mg/mL
STORAGE CONDITIONS:	Aliquot and Store at -20 °C. Avoid freeze-thaw cycles.

Additional Info

OFFICIAL SYMBOL:	SFN
ALTERNATE NAMES:	14-3-3 protein sigma, Epithelial cell marker protein 1, Stratifin, SFN, HME1
GENE ID:	2810
USER NOTE:	Optimal dilutions for each application to be determined by the researcher

Background and References

BACKGROUND:	14-3-3 proteins are regulators of a diverse group of signaling proteins, including kinases, phosphatases, and transmembrane receptors, and have roles in a wide range of physiological processes including transcription, intracellular signaling, cell cycle control and apoptosis. There are seven 14-3-3 proteins in most mammals: beta, gamma epsilon, zeta, eta, sigma and tau. 14-3-3 sigma, also called Stratifin, is a product of the SFN gene. It is a tumor suppressor gene inactivated via DNA methylation. Reduced or no expression of 14-3-3 sigma is seen in various carcinoma including skin, breast and prostate, suggesting that 14-3-3 gene silencing may be involved in tumor progression.
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