

SFN Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP18803c**Specification**

SFN Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P31947](#)**SFN Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 2810**Other Names**

14-3-3 protein sigma, Epithelial cell marker protein 1, Stratifin, SFN, HME1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SFN Antibody (Center) Blocking Peptide - Protein Information**Name** SFN**Synonyms** HME1 {ECO:0000303|PubMed:1390337}**Function**

Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways (PubMed:15731107, PubMed:22634725, PubMed:28202711, PubMed:37797010). Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif (PubMed:15731107, PubMed:22634725, PubMed:28202711, PubMed:37797010). Binding generally results in the modulation of the activity of the binding partner (PubMed:15731107, PubMed:22634725, PubMed:28202711, PubMed:37797010). Promotes

cytosolic retention of GBP1 GTPase by binding to phosphorylated GBP1, thereby inhibiting the innate immune response (PubMed:37797010). Also acts as a TP53/p53-regulated inhibitor of G2/M progression (PubMed:9659898). When bound to KRT17, regulates protein synthesis and epithelial cell growth by stimulating Akt/mTOR pathway (By similarity). May also regulate MDM2 autoubiquitination and degradation and thereby activate p53/TP53 (PubMed:18382127).

Cellular Location

Cytoplasm, cytosol. Nucleus {ECO:0000250|UniProtKB:O70456}. Secreted. Note=May be secreted by a non-classical secretory pathway.

Tissue Location

Present mainly in tissues enriched in stratified squamous keratinizing epithelium.

SFN Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

SFN Antibody (Center) Blocking Peptide - Images

SFN Antibody (Center) Blocking Peptide - Background

Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathway. Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif. Binding generally results in the modulation of the activity of the binding partner. When bound to KRT17, regulates protein synthesis and epithelial cell growth by stimulating Akt/mTOR pathway (By similarity).p53-regulated inhibitor of G2/M progression.

SFN Antibody (Center) Blocking Peptide - References

Ren, H.Z., et al. Dig. Dis. Sci. 55(9):2552-2560(2010)Liu, Y., et al. Brain Res. 1336, 98-102 (2010)
:Pei, H.P., et al. Zhonghua Wei Chang Wai Ke Za Zhi 13(3):213-215(2010)Syrjanen, S., et al. Am. J. Clin. Pathol. 133(2):232-240(2010)Zurita, M., et al. BMC Cancer 10, 217 (2010) :