

SFN Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP5993b**Specification**

SFN Antibody (C-term) Blocking peptide - Product Information

Primary Accession [P31947](#)
Other Accession [NP_006133.1](#)

SFN Antibody (C-term) 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 (C-term) 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).

[37797010](http://www.uniprot.org/citations/37797010)). Promotes cytosolic retention of GBP1 GTPase by binding to phosphorylated GBP1, thereby inhibiting the innate immune response (PubMed: [37797010](http://www.uniprot.org/citations/37797010)). Also acts as a TP53/p53-regulated inhibitor of G2/M progression (PubMed: [9659898](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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 (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

SFN Antibody (C-term) Blocking peptide - Images