

Anti-SFN / Stratifin / 14-3-3 Sigma Antibody
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17392**Specification**

Anti-SFN / Stratifin / 14-3-3 Sigma Antibody - Product Information

Application	WB, IHC-P
Primary Accession	P31947
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27774

Anti-SFN / Stratifin / 14-3-3 Sigma Antibody - Additional Information**Gene ID** 2810

Alias Symbol	SFN
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Other Names
SFN, 14-3-3 sigma, 14-3-3 protein sigma, HME1, Stratifin, YWHAS

Target/Specificity
Human SFN / Stratifin / 14-3-3 Sigma

Reconstitution & Storage
PBS, 0.05% sodium azide. Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

Precautions
Anti-SFN / Stratifin / 14-3-3 Sigma Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-SFN / Stratifin / 14-3-3 Sigma Antibody - 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](http://www.uniprot.org/citations/15731107), PubMed: [22634725](http://www.uniprot.org/citations/22634725), PubMed: [28202711](http://www.uniprot.org/citations/28202711), PubMed: [37797010](http://www.uniprot.org/citations/37797010)). Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif (PubMed: [15731107](http://www.uniprot.org/citations/15731107), PubMed: [22634725](http://www.uniprot.org/citations/22634725), PubMed: [28202711](http://www.uniprot.org/citations/28202711), PubMed: [37797010](http://www.uniprot.org/citations/37797010)).

href="http://www.uniprot.org/citations/28202711" target="_blank">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.

Anti-SFN / Stratifin / 14-3-3 Sigma Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-SFN / Stratifin / 14-3-3 Sigma Antibody - Images