

**14-3-3 sigma Rabbit mAb**  
Catalog # AP77287**Specification****14-3-3 sigma Rabbit mAb - Product Information**

Application	WB
Primary Accession	<a href="#">P31947</a>
Reactivity	Human, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	27774

**14-3-3 sigma Rabbit mAb - Additional Information**

Gene ID 2810

**Other Names**

SFN

**Dilution**

WB~~1/500-1/1000

**Format**

Liquid

**14-3-3 sigma Rabbit mAb - 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)). Binding generally results in the modulation of the activity of the binding partner (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)). Promotes

cytosolic retention of GBP1 GTPase by binding to phosphorylated GBP1, thereby inhibiting the innate immune response (PubMed:<a href="http://www.uniprot.org/citations/37797010" target="\_blank">37797010</a>). Also acts as a TP53/p53-regulated inhibitor of G2/M progression (PubMed:<a href="http://www.uniprot.org/citations/9659898" target="\_blank">9659898</a>). When bound to KRT17, regulates protein synthesis and epithelial cell growth by stimulating Akt/mTOR pathway (By similarity). Acts to maintain desmosome cell junction adhesion in epithelial cells via interacting with and sequestering PKP3 to the cytoplasm, thereby restricting its translocation to existing desmosome structures and therefore maintaining desmosome protein homeostasis (PubMed:<a href="http://www.uniprot.org/citations/24124604" target="\_blank">24124604</a>). May also regulate MDM2 autoubiquitination and degradation and thereby activate p53/TP53 (PubMed:<a href="http://www.uniprot.org/citations/18382127" target="\_blank">18382127</a>).

#### Cellular Location

Cytoplasm. 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.

### 14-3-3 sigma Rabbit mAb - 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](#)

### 14-3-3 sigma Rabbit mAb - Images

