

**Anti-14-3-3 sigma SFN Rabbit Monoclonal Antibody**  
Catalog # ABO14129**Specification****Anti-14-3-3 sigma SFN Rabbit Monoclonal Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC                |
| Primary Accession | <a href="#">P31947</a> |
| Host              | Rabbit                 |
| Isotype           | Rabbit IgG             |
| Reactivity        | Rat, Human             |
| Clonality         | Monoclonal             |
| Format            | Liquid                 |

**Description**

Anti-14-3-3 sigma SFN Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human, Rat.

**Anti-14-3-3 sigma SFN Rabbit Monoclonal Antibody - Additional Information**

**Gene ID** 2810

**Other Names**

14-3-3 protein sigma, Epithelial cell marker protein 1, Stratifin, SFN, HME1  
{ECO:0000303|PubMed:1390337}

**Calculated MW**

27774 MW KDa

**Application Details**

WB 1:1000-1:2000<br>IHC 1:50-1:200

**Subcellular Localization**

Cytoplasm. Nucleus. Secreted. May be secreted by a non-classical secretory pathway.

**Tissue Specificity**

Present mainly in tissues enriched in stratified squamous keratinizing epithelium.

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human 14-3-3 sigma

**Purification**

Affinity-chromatography

**Storage**

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated**

## freeze-thaw cycles.

### Anti-14-3-3 sigma SFN Rabbit Monoclonal 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:<a href="http://www.uniprot.org/citations/15731107" target="\_blank">15731107</a>, PubMed:<a href="http://www.uniprot.org/citations/22634725" target="\_blank">22634725</a>, PubMed:<a href="http://www.uniprot.org/citations/28202711" target="\_blank">28202711</a>, PubMed:<a href="http://www.uniprot.org/citations/37797010" target="\_blank">37797010</a>). Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif (PubMed:<a href="http://www.uniprot.org/citations/15731107" target="\_blank">15731107</a>, PubMed:<a href="http://www.uniprot.org/citations/22634725" target="\_blank">22634725</a>, PubMed:<a href="http://www.uniprot.org/citations/28202711" target="\_blank">28202711</a>, PubMed:<a href="http://www.uniprot.org/citations/37797010" target="\_blank">37797010</a>). Binding generally results in the modulation of the activity of the binding partner (PubMed:<a href="http://www.uniprot.org/citations/15731107" target="\_blank">15731107</a>, PubMed:<a href="http://www.uniprot.org/citations/22634725" target="\_blank">22634725</a>, PubMed:<a href="http://www.uniprot.org/citations/28202711" target="\_blank">28202711</a>, PubMed:<a href="http://www.uniprot.org/citations/37797010" target="\_blank">37797010</a>). 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). 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, cytosol. Nucleus {ECO:0000250|UniProtKB:O70456}. Secreted. Note=May be secreted by a non-classical secretory pathway.

#### Tissue Location

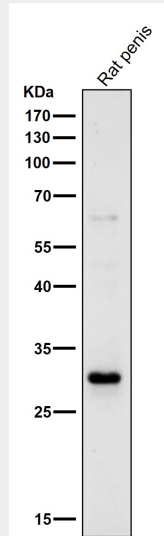
Present mainly in tissues enriched in stratified squamous keratinizing epithelium.

### Anti-14-3-3 sigma SFN Rabbit Monoclonal Antibody - Protocols

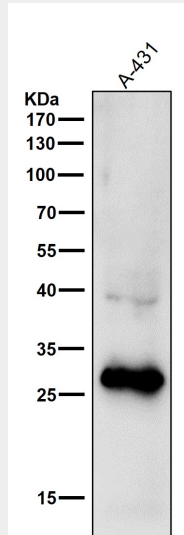
Provided below are standard protocols that you may find useful for product applications.

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

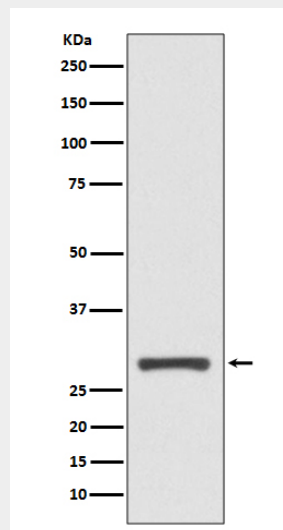
### Anti-14-3-3 sigma SFN Rabbit Monoclonal Antibody - Images



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



Western blot analysis of 14-3-3 sigma expression in A431 cell lysate.