

## Rabbit anti-Human 14-3-3 Sigma Polyclonal Antibody | anti-SFN antibody

Rabbit anti-14-3-3 Sigma Antibody, Affinity Purified

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                            |
|-----------|--------|------------|---------------------------------------------------------|
| AAA211568 | Rabbit | Human      | Immunohistochemistry, Immunoprecipitation, Western Blot |

### PRODUCT SYNONYMS

14-3-3 Sigma; Polyclonal Antibody; Rabbit anti-14-3-3 Sigma Antibody; Affinity Purified; epithelial cell marker protein 1; Stratifin; 14-3-3 protein sigma; YWHAS; stratifin; anti-SFN antibody

### PRODUCT SPECIFICATIONS

|                                               |                                                                                           |
|-----------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                    |
| Reactivity                                    | Human                                                                                     |
| Clonality                                     | Polyclonal                                                                                |
| Purity/Purification                           | Antigen Affinity Purified                                                                 |
| Form/Format                                   | Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide |
| Concentration                                 | 1000ug/ml (varies by lot)                                                                 |
| Applicable Applications for anti-SFN antibody | IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)                   |
| Immunogen                                     | Between 198 and C-terminus                                                                |
| Conjugation                                   | Unconjugated                                                                              |
| Preparation and Storage                       | Store at 2-8 degree C<br>Shelf Life: 1 year from date of receipt                          |

### IMAGES



#### WB (Western Blot)

Detection of human 14-3-3 Sigma by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, Jurkat, A-549, and GaMG cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-14-3-3 Sigma antibody AAA211568 (lot AAA211568-4) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



#### IP (Immunoprecipitation)

Detection of human 14-3-3 Sigma by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-14-3-3 Sigma antibody AAA211568 (lot AAA211568-4) used for IP at 6 ug per reaction. 14-3-3 Sigma was also immunoprecipitated by a previous lot of this antibody (lot AAA211568-3). For blotting immunoprecipitated 14-3-3 Sigma, AAA211568 was used at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 1 second.



#### IHC (Immunohistochemistry)

Detection of human 14-3-3 Sigma by immunohistochemistry. Sample: FFPE section of human ovarian carcinoma. Antibody: Affinity purified rabbit anti-14-3-3 Sigma (Cat. No. AAA211568 lot 4) used at a dilution of 1:5,000 (0.2ug/ml). Detection: DAB

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SFN antibody | 14-3-3 sigma was identified as an epithelial cell marker. It is part of the 14-3-3 family of proteins in which seven isoforms have been identified: beta, zeta, gamma, eta, epsilon, tau, and sigma. 14-3-3 proteins function as adaptors that bind with a number of partners to mediate various signaling pathways. 14-3-3 sigma is also called stratifin or HME1 and appears to function as a tumor suppressor whose expression can be downregulated via methylation. Loss of 14-3-3 sigma expression results in a defective G2/M phase checkpoint and appears to contribute to both epithelial and non-epithelial tumorigenesis. |
| Product Categories/Family for anti-SFN antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                      |
|----------------------------------|----------------------------------------------------------------------|
| NCBI GI #                        | 5454052                                                              |
| NCBI GeneID                      | 2810                                                                 |
| NCBI Accession #                 | NP_006133.1                                                          |
| NCBI GenBank Nucleotide #        | NM_006142.3                                                          |
| UniProt Accession #              | P31947; Q6FH30; Q6FH51; Q96DH0                                       |
| Molecular Weight                 | 24,336 Da                                                            |
| NCBI Official Full Name          | 14-3-3 protein sigma                                                 |
| NCBI Official Synonym Full Names | stratifin                                                            |
| NCBI Official Symbol             | SFN                                                                  |
| NCBI Official Synonym Symbols    | YWHAS                                                                |
| NCBI Protein Information         | 14-3-3 protein sigma; 14-3-3 sigma; epithelial cell marker protein 1 |
| UniProt Protein Name             | 14-3-3 protein sigma                                                 |
| UniProt Gene Name                | SFN                                                                  |
| UniProt Synonym Gene Names       | HME1                                                                 |
| UniProt Entry Name               | 1433S_HUMAN                                                          |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/14-3-3-sigma-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/211568>