

## Rabbit anti-Human SA1 Polyclonal Antibody | anti-SA1 antibody

Rabbit anti-SA1 Antibody, Affinity Purified

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                            |
|-----------|--------|------------|---------------------------------------------------------|
| AAA211934 | Rabbit | Human      | Immunohistochemistry, Immunoprecipitation, Western Blot |

### PRODUCT SYNONYMS

SA1; Polyclonal Antibody; Rabbit anti-SA1 Antibody; Affinity Purified; MRD47; Stromal antigen 1; SCC3A; SCC3 homolog 1; nuclear protein stromal antigen 1; cohesin subunit SA-1; Cohesin subunit SA-1; stromal antigen 1; anti-SA1 antibody

### PRODUCT SPECIFICATIONS

|                                               |                                                                                    |
|-----------------------------------------------|------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                             |
| Reactivity                                    | Human                                                                              |
| Clonality                                     | Polyclonal                                                                         |
| Purity/Purification                           | Antigen Affinity Purified                                                          |
| Form/Format                                   | Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide |
| Concentration                                 | 200ug/ml (varies by lot)                                                           |
| Applicable Applications for anti-SA1 antibody | IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)            |
| Predicted Reactivity                          | Mouse                                                                              |
| Immunogen                                     | Between 1125 and 1175                                                              |
| 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 SA1 by western blot and immunoprecipitation. Samples: Whole cell lysate from HeLa (5, 15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded) and HEK293T (T; 50 ug) cells. Antibodies: Affinity purified rabbit anti-SA1 antibody AAA211934 used for WB at 0.04 ug/ml (A) and 1 ug/ml (B) and used for IP at 3 ug/mg lysate. SA1 was also immunoprecipitated by rabbit anti-SA1 antibody which recognizes an upstream epitope. Detection: Chemiluminescence with exposure times of 3 minutes (A) and 30 seconds (B).



#### IHC (Immunohistochemistry)

Detection of human SA1 by immunohistochemistry. Sample: FFPE section of human prostate carcinoma. Antibody: Affinity purified rabbit anti-SA1 (Cat. No. AAA211934 Lot1) used at a dilution of 1:1,000 (0.2ug/ml). Detection: DAB

### ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                            |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SA1 antibody | SA1 is a component of the multisubunit cohesin complex. Cohesin functions to hold sister chromatids together during meiosis and mitosis and ensure proper segregation of chromosomes. SA1 has also been identified as a mediator of p53 induced apoptosis. |
| Product Categories/Family for anti-SA1 antibody   | Primary Antibodies                                                                                                                                                                                                                                         |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                         |
|----------------------------------|-------------------------------------------------------------------------|
| NCBI GI #                        | 62243696                                                                |
| NCBI GeneID                      | 10274                                                                   |
| NCBI Accession #                 | NP_005853.2                                                             |
| NCBI GenBank Nucleotide #        | NM_005862.2                                                             |
| UniProt Accession #              | Q8WVM7; O00539; Q6P275                                                  |
| Molecular Weight                 | 140,090 Da                                                              |
| NCBI Official Full Name          | cohesin subunit SA-1                                                    |
| NCBI Official Synonym Full Names | stromal antigen 1                                                       |
| NCBI Official Symbol             | STAG1                                                                   |
| NCBI Official Synonym Symbols    | SA1; SCC3A                                                              |
| NCBI Protein Information         | cohesin subunit SA-1; SCC3 homolog 1; nuclear protein stromal antigen 1 |
| UniProt Protein Name             | Cohesin subunit SA-1                                                    |
| UniProt Gene Name                | <b>STAG1</b>                                                            |
| UniProt Synonym Gene Names       | SA1                                                                     |
| UniProt Entry Name               | STAG1_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/sa1-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/211934>