

Goat anti-Human, Mouse SA2 Polyclonal Antibody | anti-SA2 antibody

Goat anti-SA2 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA210794	Goat	Human, Mouse	Immunocytochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

SA2; Polyclonal Antibody; Goat anti-SA2 Antibody; Affinity Purified; bA51701.1; SCC3 homolog 2; SCC3B; Stromal antigen 2; cohesin subunit SA-2; SA-2; Cohesin subunit SA-2; stromal antigen 2; anti-SA2 antibody

PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Human, Mouse
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-SA2 antibody	ICC (Immunocytochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 1125 and 1175
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



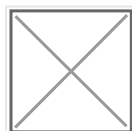
WB (Western Blot)

Detection of human SA2 by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, Jurkat, LNCaP, and MCF-7 cells prepared using NETN lysis buffer. Antibody: Affinity purified Goat anti-SA2 antibody (AAA210794 lot 3) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



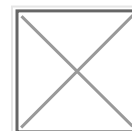
WB (Western Blot)

Detection of mouse SA2 by western blot. Samples: Whole cell lysate (50 ug) from NIH 3T3, CT26, CH27, TCMK-1, and BW5147.3 cells prepared using NETN lysis buffer. Antibody: Affinity purified Goat anti-SA2 antibody (AAA210794 lot 3) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IP (Immunoprecipitation)

Detection of human SA2 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified Goat anti-SA2 antibody (AAA210794 lot 3) used for IP at 6 ug per reaction. SA2 was also immunoprecipitated by a previous lot of this antibody (AAA210794 lot 2) and a second antibody against a different epitope of SA2. For blotting immunoprecipitated SA2, AAA210794 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



ICC (Immunocytochemistry)

Localization of human SA2. Sample: HeLa cells that were extracted for 5 min. at 4C in 0.5% Triton in CSK buffer. Antibody: Affinity purified goat anti-SA2 (BL147G; Cat. No. AAA210794) used at 1 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-SA2 antibody	SA2 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. Cohesin must dissociate from sister chromatids during prophase and metaphase so that they can segregate to opposite poles of the cell during anaphase. As part of the cohesin complex, SA2 appears to play a role in cohesin dissociation required for sister chromatid separation. Interestingly, SA2 has been demonstrated to also exhibit transcriptional regulatory activity through an association with NF-kappaB.
Product Categories/Family for anti-SA2 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	31563531
NCBI GeneID	10735
NCBI Accession #	NP_006594.3
NCBI GenBank Nucleotide #	NM_006603.4
UniProt Accession #	Q8N3U4; O00540; Q5JTI6; Q68DE9; Q9H1N8; B1AMT5; D3DTF5
Molecular Weight	145,751 Da
NCBI Official Full Name	cohesin subunit SA-2 isoform b
NCBI Official Synonym Full Names	stromal antigen 2
NCBI Official Symbol	STAG2
NCBI Official Synonym Symbols	SA2; SA-2; SCC3B; bA517O1.1
NCBI Protein Information	cohesin subunit SA-2; SCC3 homolog 2
UniProt Protein Name	Cohesin subunit SA-2
UniProt Gene Name	STAG2
UniProt Synonym Gene Names	SA2
UniProt Entry Name	STAG2_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/sa2-antibody-immunocytochemistry-immunoprecipitation-western-blot-elisa/210794>