

Rabbit anti-Human SAE1 Polyclonal Antibody | anti-SAE1 antibody

Rabbit anti-SAE1 Antibody, Affinity Purified

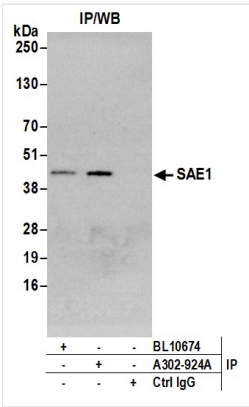
CATALOG # AAA212072	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Immunoprecipitation
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PRODUCT SYNONYMS

SAE1; Polyclonal Antibody; Rabbit anti-SAE1 Antibody; Affinity Purified; SUMO-1 activating enzyme E1 N subunit; UBLE1A; ubiquitin-like protein SUMO-1 activating enzyme; ubiquitin-like 1-activating enzyme E1A; SUMO-1 activating enzyme subunit 1; SUA1; sentrin/SUMO-activating protein AOS1; HSPC140; AOS1; activator of SUMO1; SUMO-activating enzyme subunit 1; SUMO1 activating enzyme subunit 1; anti-SAE1 antibody

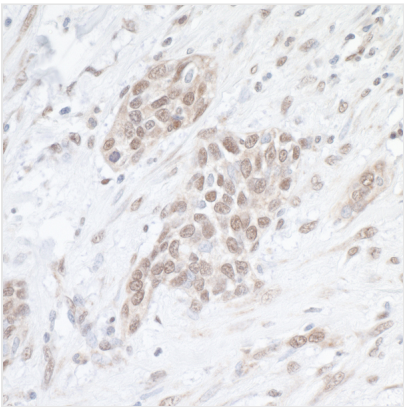
PRODUCT SPECIFICATIONS

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-SAE1 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation)
Predicted Reactivity	Orangutan
Immunogen	Between 296 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



IP (Immunoprecipitation)

Detection of human SAE1 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-SAE1 antibody AAA212072 (lot AAA212072-2) used for IP at 3 ug per reaction. SAE1 was also immunoprecipitated by rabbit anti-SAE1 antibody BL10674. For blotting immunoprecipitated SAE1, AAA212072 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IHC (Immunohistochemistry)

Detection of human SAE1 by immunohistochemistry. Sample: FFPE section of human bladder carcinoma. Antibody: Affinity purified rabbit anti-SAE1 (Cat. No. AAA212072 Lot2) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-SAE1 antibody	Heterodimers of SUMO-activating enzyme subunit 1 (SAE1) and SAE2 act as an E1 ligase for SUMO1, SUMO2, SUMO3, and probably SUMO4. Heterodimers mediate ATP-dependent activation of SUMO proteins followed by formation of a thioester bond between a SUMO protein and a conserved active site cysteine residue on UBA2/SAE2 [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/Q9UBE0].
Product Categories/Family for anti-SAE1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	225543279
NCBI GeneID	10055
NCBI Accession #	NP_005491.1
NCBI GenBank Nucleotide #	NM_005500
UniProt Accession #	Q9UBE0; O95717; Q9P020; B2RDP5; B3KMQ2; F5GXX7; G3XAK6
Molecular Weight	33,063 Da
NCBI Official Full Name	Homo sapiens SUMO1 activating enzyme subunit 1 (SAE1), transcript variant 1, mRNA
NCBI Official Synonym Full Names	SUMO1 activating enzyme subunit 1
NCBI Official Symbol	SAE1
NCBI Official Synonym Symbols	AOS1; SUA1; UBLE1A; HSPC140
NCBI Protein Information	SUMO-activating enzyme subunit 1; SUMO-1 activating enzyme E1 N subunit; SUMO-1 activating enzyme subunit 1; activator of SUMO1; sentrin/SUMO-activating protein AOS1; ubiquitin-like 1-activating enzyme E1A; ubiquitin-like protein SUMO-1 activating enzyme
UniProt Protein Name	SUMO-activating enzyme subunit 1
UniProt Gene Name	SAE1
UniProt Synonym Gene Names	AOS1; SUA1; UBLE1A
UniProt Entry Name	SAE1_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/sae1-antibody-immunohistochemistry-immunoprecipitation-elisa/212072>