

Rabbit SAE1 (AOS1) Polyclonal Antibody | anti-SAE1 antibody

SAE1 (AOS1) Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285732	Rabbit	Human, mouse (Predicted Reactivity: Bovine, Rat)	Immunohistochemistry, ELISA, Western Blot

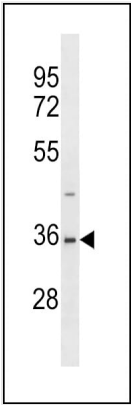
PRODUCT SYNONYMS

SAE1 (AOS1); Polyclonal Antibody; SAE1 (AOS1) Antibody (C-term); SUMO-activating enzyme subunit 1; Ubiquitin-like 1-activating enzyme E1A; N-terminally processed; SAE1; AOS1; SUA1; UBLE1A; anti-SAE1 antibody

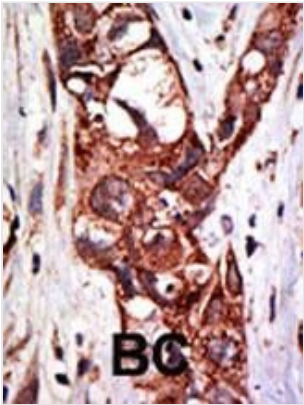
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SAE1 (AOS1) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 300-329 amino acids from the C-terminal region of human SAE1 (AOS1).
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	300-329
Sequence Length	299
Applicable Applications for anti-SAE1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

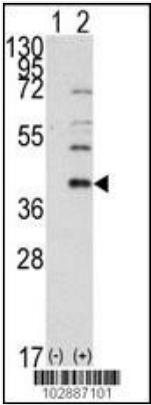
IMAGES



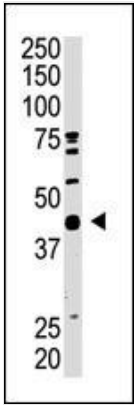
WB (Western Blot)
AOS1 Antibody (V315) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the AOS1 antibody detected the AOS1 protein (arrow).



IHC (Immunohistochemisry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
Western blot analysis of AOS1 (arrow) using rabbit polyclonal AOS1 Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the AOS1 gene (Lane 2) (Origene Technologies).



WB (Western Blot)
The AOS1 C-term Pab is used in Western blot to detect AOS1 in mouse heart tissue lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-SAE1 antibody	The dimeric enzyme AOS1 acts as a an E1 ligase for SUMO1, SUMO2, SUMO3, and probably SUMO4. It mediates ATP-dependent activation of SUMO proteins and formation of a thioester with a conserved cysteine residue on SAE2.
Product Categories/Family for anti-SAE1 antibody	Cell Biology
References	Desterro, J.M., et al., J. Biol. Chem. 274(15):10618-10624 (1999). Gong, L., et al., FEBS Lett. 448(1):185-189 (1999). Okuma, T., et al., Biochem. Biophys. Res. Commun. 254(3):693-698 (1999).

NCBI AND UNIPROT INFORMATION

NCBI GI #	225543285
NCBI GeneID	10055
NCBI Accession #	NP_001139185.1; NP_001139186.1; NP_005491.1
NCBI GenBank Nucleotide #	NM_001145713.1
UniProt Accession #	Q9UBE0; O95717; Q9P020; B2RDP5; B3KMQ2; F5GXX7; G3XAK6

Molecular Weight	38450
NCBI Official Full Name	SUMO-activating enzyme subunit 1 isoform b
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
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://www.aaabiotech.com/polyclonal/sae1-aos1-antibody-immunohistochemistry-western-blot-elisa/285732>