

Rabbit AOS1 Polyclonal Antibody | anti-AOS1 antibody

AOS1 Antibody

CATALOG # AAA302880	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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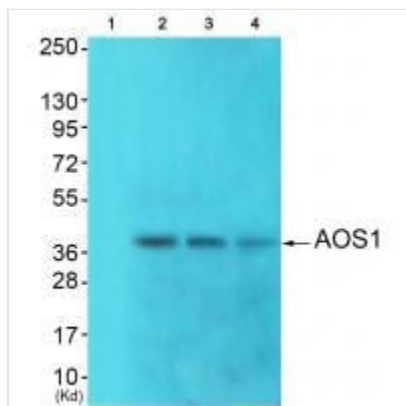
PRODUCT SYNONYMS

AOS1; Polyclonal Antibody; AOS1 Antibody; HSPC140; SAE1; SUA1; SUMO-1 activating enzyme E1 N subunit; anti-AOS1 antibody

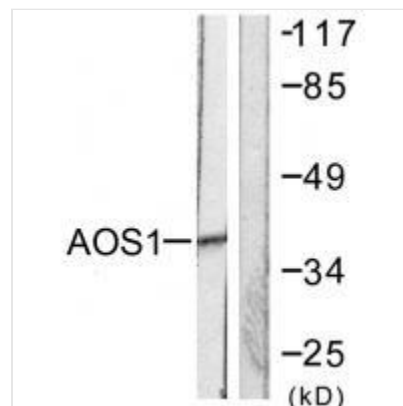
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total AOS1 protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	299
Applicable Applications for anti-AOS1 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from Internal of human AOS1.
Target Name	AOS1
Preparation and Storage	Store at -20 degree C

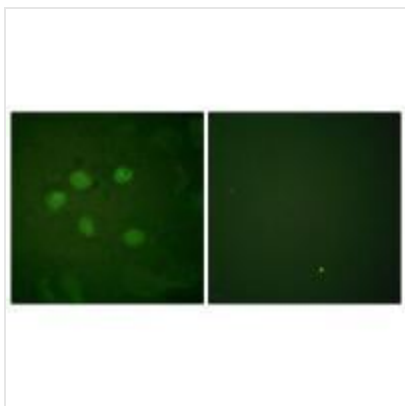
IMAGES


WB (Western Blot)

Western blot analysis of extracts from Colo cells, HepG2 cells and 293 cells using AOS1 antibody. The lane on the left is treated with synthesized peptide.


WB (Western Blot)

Western blot analysis of extracts from 293 cells, using AOS1 antibody.



IF (Immunofluorescence)

Immunofluorescence analysis of HuvEc cells, using AOS1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-AOS1 antibody	The heterodimer acts as a E1 ligase for SUMO1, SUMO2, SUMO3, and probably SUMO4. It mediates 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. Yoshiaki Azuma, FASEB J, Jun 2001; 10.1096. Walter Makous, Invest. Ophthalmol. Vis. Sci., Sep 2006; 47: 4160 - 4167. Hsin-Pei Shih, J. Cell Sci., Mar 2002; 115: 1259. Thomas Buschmann, J. Biol. Chem., Oct 2001; 276: 40389 - 40395.
Product Categories/Family for anti-AOS1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	225543285
NCBI GeneID	10055
NCBI Accession #	NP_001139185.1
NCBI GenBank Nucleotide #	NM_001145713.1
UniProt Accession #	Q9UBE0; O95717; Q9P020; B2RDP5; B3KMQ2; F5GXX7; G3XAK6
Molecular Weight	33,063 Da
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/aos1-antibody-immunofluorescence-western-blot-elisa/302880>