

AOS1 Antibody

Catalog No: #33506

Package Size: #33506-1 50ul #33506-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

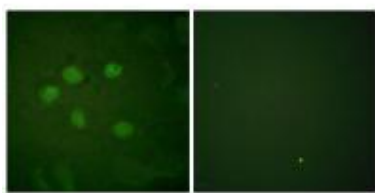
Product Name	AOS1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total AOS1 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from Internal of human AOS1.
Target Name	AOS1
Other Names	AOS1; HSPC140; SAE1; SUA1; SUMO-1 activating enzyme E1 N subunit
Accession No.	Swiss-Prot: Q9UBE0NCBI Gene ID: 10055
Uniprot	Q9UBE0
GeneID	10055;
SDS-PAGE MW	38kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

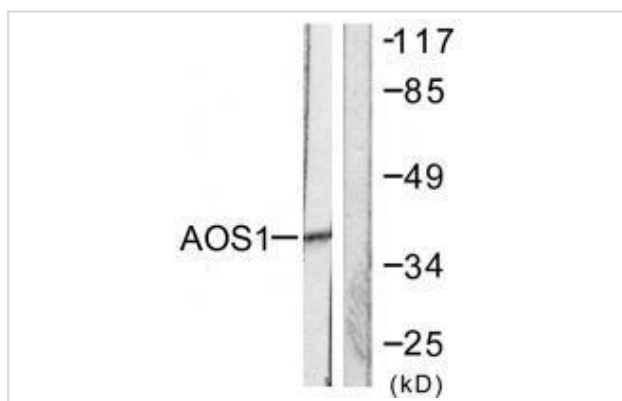
Western blotting: 1:500~1:3000

Immunofluorescence: 1:100~1:500

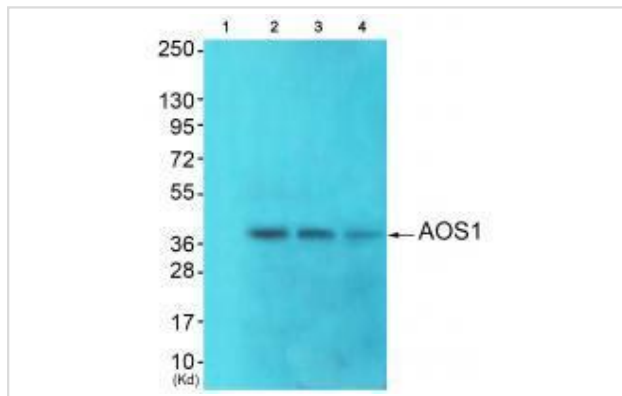
Images



Immunofluorescence analysis of HuvEc cells, using AOS1 antibody #33506.



Western blot analysis of extracts from 293 cells, using AOS1 antibody #33506.



Western blot analysis of extracts from Colo cells, HepG2 cells and 293 cells using AOS1 antibody #33506. The lane on the left is treated with synthesized peptide.

Background

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.

Note: This product is for in vitro research use only