

SAE1 Antibody

Rabbit mAb Catalog # AP91797

Specification

SAE1 Antibody - Product Information

Application WB, FC, ICC, IP

Primary Accession
Reactivity
Rat

Clonality Monoclonal

Other Names

AOS1; HSPC140; Sae1; SUA1; UBLE1A;

Isotype Rabbit IgG
Host Rabbit
Calculated MW 38450 Da

SAE1 Antibody - Additional Information

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human

SAE1

Description 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.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide

and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid

freeze / thaw cycle.

SAE1 Antibody - Protein Information

Name SAE1

Synonyms AOS1, SUA1, UBLE1A

Function

The heterodimer acts as an 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.

Cellular Location

Nucleus.



Tissue Location

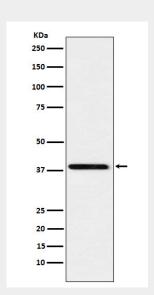
Expression level increases during S phase and drops in G2 phase (at protein level).

SAE1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

SAE1 Antibody - Images



Western blot analysis of SAE1 expression in Jurkat cell lysate.