

SAE1 Polyclonal Antibody
Catalog # AP72390

Specification

SAE1 Polyclonal Antibody - Product Information

Application	WB
Primary Accession	Q9UBE0
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

SAE1 Polyclonal Antibody - Additional Information

Gene ID 10055

Other Names

SAE1; AOS1; SUA1; UBLE1A; SUMO-activating enzyme subunit 1; Ubiquitin-like 1-activating enzyme E1A

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

SAE1 Polyclonal 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

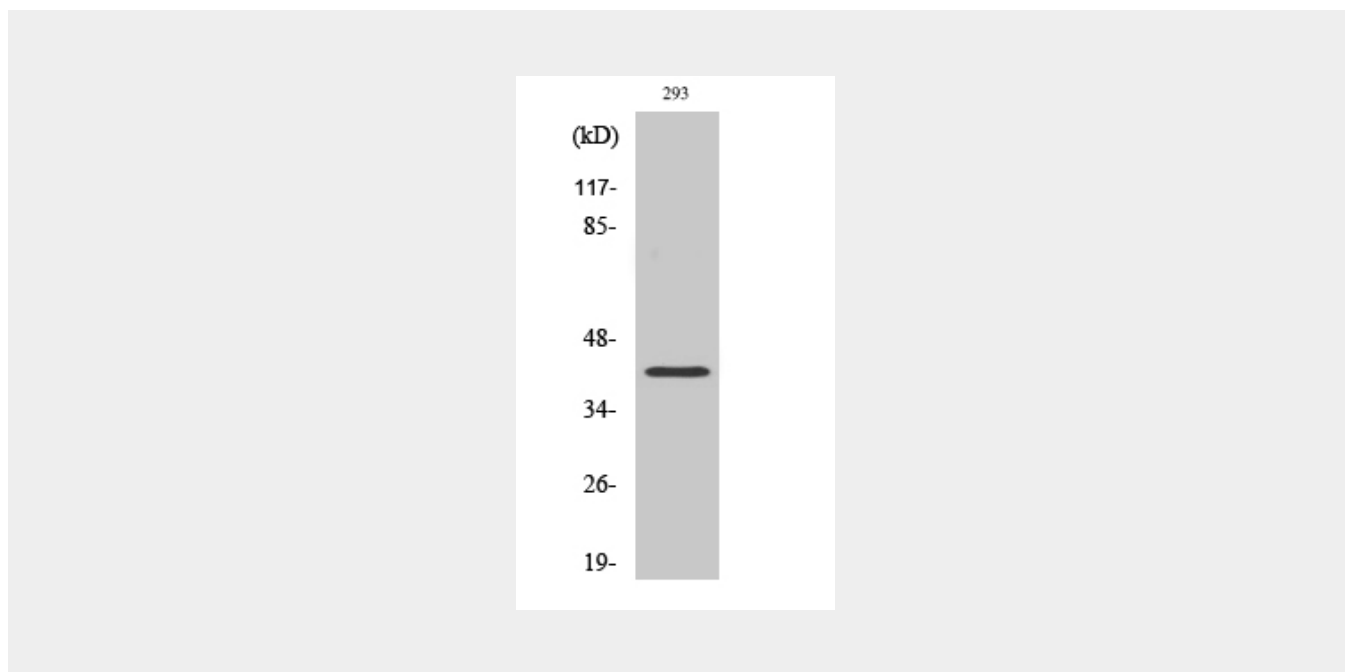
Expression level increases during S phase and drops in G2 phase (at protein level).

SAE1 Polyclonal Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SAE1 Polyclonal Antibody - Images



SAE1 Polyclonal Antibody - Background

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.