**Product Datasheet**

# SAE1 Rabbit mAb

Catalog No: #49894

Package Size: #49894-1 50ul #49894-2 100ul

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

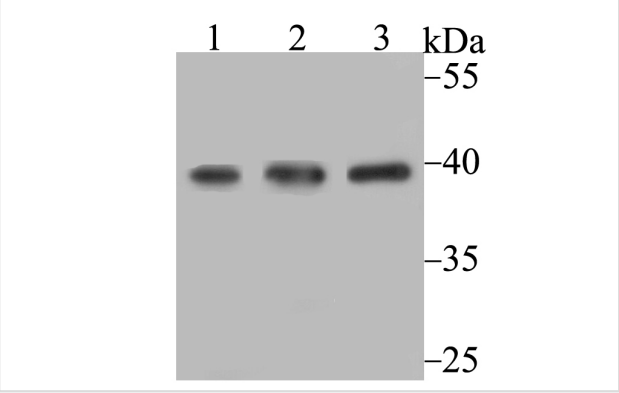
## Description

| | |
|---|---|
| Product Name | SAE1 Rabbit mAb |
| Host Species | Recombinant Rabbit |
| Clonality | Monoclonal antibody |
| Clone No. | JG35-88 |
| Purification | ProA affinity purified |
| Applications | WB,FC |
| Species Reactivity | Hu |
| Immunogen Description | Recombinant protein within human SAE1 aa 150-300. |
| Other Names | Activator of SUMO1 antibody AOS1 antibody HSPC140 antibody Sae1 antibody SAE1_HUMAN antibody Sentrin/SUMO activating protein AOS1 antibody SUA1 antibody SUMO 1 activating enzyme E1 N subunit antibody SUMO 1 activating enzyme subunit 1 antibody SUMO-activating enzyme subunit 1 antibody Ubiquitin like protein SUMO1 activating enzyme antibody Ubiquitin-like 1-activating enzyme E1A antibody UBL E1A antibody UBLE1A antibody |
| Accession No. | Swiss-Prot#:Q9UBE0 |
| Uniprot | Q9UBE0 |
| GeneID | 10055; |
| Calculated MW | 38 kDa |
| Formulation | 1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide. |
| Storage | Store at -20°C |

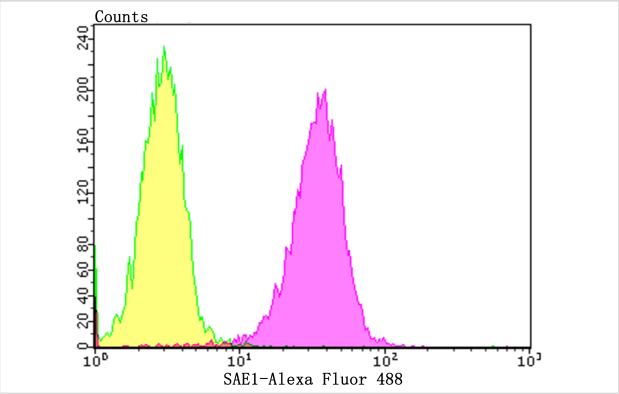
## Application Details

WB: 1:500-1:2,000 FC: 1:50-1:100

## Images




Western blot analysis of SAE1 on different cell lysates using anti-SAE1 antibody at 1/1,000 dilution. Positive control: Lane 1: SiHa Lane 2: K562 Lane 3: 293




Flow cytometric analysis of A549 cells with SAE1 antibody at 1/100 dilution (yellow) compared with an unlabelled control (cells without incubation with primary antibody; purple).Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

## Background

Proteolytic degradation by the ubiquitin (Ub) system is essential for normal cell cycle progression, cellular differentiation and stress responses. Proteins conjugated to Ub are marked for progressive degradation by the 26S Proteasome. AOS-1, also designated SUMO-1-activating enzyme or ubiquitin-like 1-activating enzyme E1A, belongs to the ubiquitin-activating E1 family of proteins and plays an important role in the first step of the UBL1 conjugation pathway. AOS-1, which is a dimeric enzyme, functions as a UBLI E1 ligase, mediating the ATP-dependent activation of UBL1. AOS-1 can bind with UBLE1A and UBLE1B to form a heterodimer which can bind UBL1.

## References

Note: This product is for in vitro research use only