Elabscience Bionovation Inc.



A Reliable Research Partner in Life Science and Medicine

SAE1 Monoclonal Antibody

catalog number: AN200081P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Human

Immunogen Recombinant Human SAE1 protein

 Host
 Mouse

 Isotype
 IgG2b

 Clone
 A929

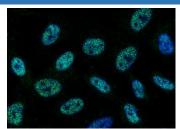
 Purification
 Protein A

Buffer 0.2 µm filtered solution in PBS

Applications Recommended Dilution

ICC/IF 1:20-1:100

Data



Immunofluorescence analysis of SAE1 in Hela cells. Cells were fixed with 4% PFA, permeabilzed with 0.1% Triton X-100 in PBS,blocked with 10% serum, and incubated with mouse anti-Y SAE1 Monoclonal Antibody (dilution ratio 1:60) at 4°C overnight. Then cells were stained with the Alexa Fluor®488-conjugated Goat Anti-mouse IgG secondary antibody (green) and counterstained with DAPI for nuclear staining (blue).Positive staining was localized to Nucleus.

Preparation & Storage

Storage This antibody can be stored at 2°C-8°C for one month without detectable loss of

activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

Shipping Ice bag

Background

SAE1 belongs to the ubiquitin-activating E1 family. It is a heterodimer that acts as a E1 ligase for SUMO1, SUMO2, SUMO3, and probably SUMO4. It functions as a UBLI E1 ligase mediating the ATP-dependent activation of UBL1. SAE1 binds with UBLE1A and UBLE1B to form a heterodimer which can bind UBL1. SAE1 also regulates ATP-dependent activation of SUMO proteins and formation of a thioester with a conserved cysteine residue on SAE2. SAE1 and UBA2 form a heterodimer that functions as a SUMO-activating enzyme for the sumoylation of proteins.

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