

Datasheet for ABIN931206

anti-SAE1 antibody**2** Images[Go to Product page](#)

Overview

| | |
|--------------|--|
| Quantity: | 50 µg |
| Target: | SAE1 |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This SAE1 antibody is un-conjugated |
| Application: | Immunocytochemistry (ICC), Dot Blot (DB) |

Product Details

| | |
|-----------------------------|--|
| Immunogen: | SAE1 antibody was raised in mouse using recombinant Human Sumo1 Activating Enzyme Subunit 1 (Sae1) |
| Clone: | 2946C4a |
| Isotype: | IgG1 |
| Cross-Reactivity: | Human |
| Cross-Reactivity (Details): | Other species not studied. |
| Purification: | Protein G affinity chromatography |

Target Details

| | |
|-------------------|--|
| Target: | SAE1 |
| Alternative Name: | SAE1 (SAE1 Products) |

Target Details

Background: The dimeric enzyme acts as a E1 ligase for SUMO1, SUMO2, SUMO3, and probably SUMO4. It mediates ATP-dependent activation of SUMO proteins and formation of a thioester with a conserved cysteine residue on SAE2. Synonyms: Monoclonal SAE1 antibody, Anti-SAE1 antibody, SUMO-activating enzyme subunit 1 antibody, AOS1 antibody, SUA1 antibody, FLJ3091 antibody, HSPC140 antibody.

Application Details

Application Notes: ICC: 2-100 µg/mL
Optimal conditions should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: Lot specific

Buffer: SAE1 antibody in PBS (3.0 mM KCl, 1.5 mM KH₂ PO₄, 140 mM NaCl, 8.0 mM Na₂ HPO₄ (pH 7.4)) containing 1 % bovine serum albumin (BSA) and 0.05 % sodium azide (NaN₃).

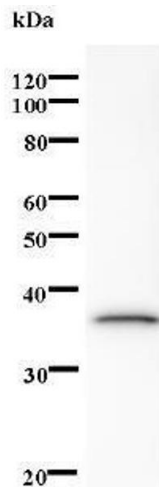
Preservative: Sodium azide

Precaution of Use: This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze/thaw cycles.
Dilute only prior to immediate use.

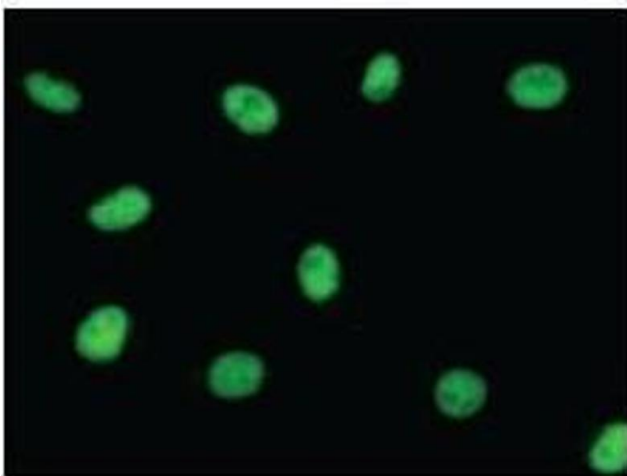
Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for up to one year. We recommend long term storage at -20 °C.



Western Blotting

Image 1.



Immunofluorescence

Image 2. Immunostaining analysis in HeLa cells. HeLa cells were fixed with 4% paraformaldehyde and permeabilized with 0.01% Triton-X100 in PBS. The cells were immunostained with anti-SAE1 antibody.