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# Recombinant anti-SAE1 antibody

2 Images



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#### Overview

Quantity:	100 μL
Target:	SAE1
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This SAE1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

# **Product Details**

Immunogen:	A synthesized peptide derived from human SAE1
Clone:	9D8
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Affinity-chromatography

# Target Details

Target:	SAE1
Alternative Name:	SAE1 (SAE1 Products)
Background:	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.

Aliases: SUMO-activating enzyme subunit 1 (Ubiquitin-like 1-activating enzyme E1A) [Cleaved into: SUMO-activating enzyme subunit 1, N-terminally processed], SAE1, AOS1 SUA1 UBLE1A

UniProt: Q9UBE0

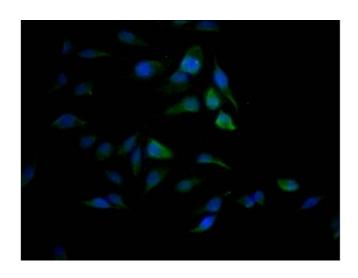
# **Application Details**

Application Notes:	Recommended dilution: WB:1:500-1:5000, IF:1:20-1:200,
Restrictions:	For Research Use only

# Handling

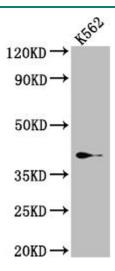
Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

# **Images**



#### **Immunofluorescence**

Image 1. Immunofluorescence staining of Hela Cells with ABIN7127802 at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeated by 0.2% TritonX-100, and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



# **Western Blotting**

**Image 2.** Western Blot Positive WB detected in: K562 whole cell lysate All lanes: SAE1 Antibody at 1:1000 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 39, 30, 34 kDa Observed band size: 39 kDa