

For Research Use Only

# SAE1 Recombinant antibody, PBS Only

Catalog Number: 84516-6-PBS



## Basic Information

<b>Catalog Number:</b> 84516-6-PBS	<b>GenBank Accession Number:</b> BC000344	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 10055	<b>CloneNo.:</b> 241923F12
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9UBEO	
<b>Isotype:</b> IgG	<b>Full Name:</b> SUMO1 activating enzyme subunit 1	
<b>Immunogen Catalog Number:</b> AG0275	<b>Calculated MW:</b> 38 kDa	

## Applications

**Tested Applications:**  
IF/ICC, Indirect ELISA

**Species Specificity:**  
human

## Background Information

SAE1(SUMO-activating enzyme subunit 1) is also named as AOS1, SUA1, UBLE1A and belongs to the ubiquitin-activating E1 family. SAE1 has a calculated molecular mass of 38 kD. SAE1 and UBA2 form a heterodimer that functions as a SUMO-activating enzyme for the sumoylation of proteins(PMID:9920803). Western blot analysis of synchronized HeLa cells detects increased AOS1 expression as cells progressed through S phase, followed by a substantial decrease in G2 phase. Immunofluorescence analysis shows AOS1 and UBA2 distributed throughout nuclei, but they are excluded from nucleoli.(PMID:11481243).

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

For technical support and original validation data for this product please contact:

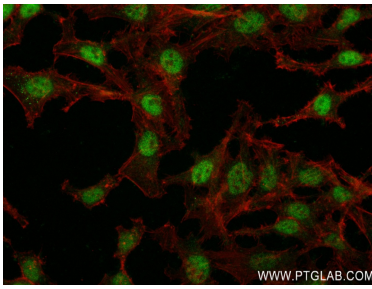
T: 4006900926

E: Proteintech-CN@ptglab.com

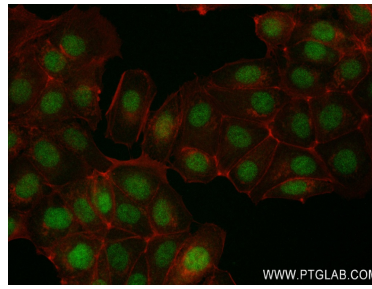
W: ptgcn.com

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using SAE1 antibody (84516-6-RR, Clone: 241923F12 ) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 84516-6-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using SAE1 antibody (84516-6-RR, Clone: 241923F12 ) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 84516-6-PBS in a different storage buffer formulation.