

**SAE2 / UBA2 Antibody**  
Rabbit mAb  
Catalog # AP91644

## Specification

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### SAE2 / UBA2 Antibody - Product Information

Application	WB, IHC, ICC, IP
Primary Accession	<a href="#">Q9UBT2</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
ARX; SAE2; UBA2; UBLE1B;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	71224 Da

### SAE2 / UBA2 Antibody - Additional Information

Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human SAE2 / UBA2</b>
Description	<b>The heterodimer acts as a 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.</b>
Storage Condition and Buffer	<b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>

### SAE2 / UBA2 Antibody - Protein Information

**Name** UBA2

**Synonyms** SAE2, UBLE1B

#### Function

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.

#### Cellular Location

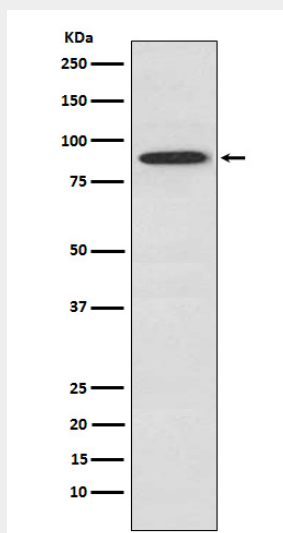
Cytoplasm. Nucleus. Note=Shuttles between the cytoplasm and the nucleus, sumoylation is required either for nuclear translocation or nuclear retention

## SAE2 / UBA2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## SAE2 / UBA2 Antibody - Images



Western blot analysis of SAE2 / UBA2 expression in A549 cell lysate.