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SAE2 / UBA2 Antibody
Rabbit mAb
Catalog # AP91644

Specification

SAE2 / UBA2 Antibody - Product Information

Application	**WB, IHC, ICC, IP**
Primary Accession	Q9UBT2
Reactivity	**Rat**
Clonality	**Monoclonal**
Other Names	
ARX; SAE2; UBA2; UBLE1B;	
Isotype	**Rabbit IgG**
Host	**Rabbit**
Calculated MW	**71224 Da**

SAE2 / UBA2 Antibody - Additional Information

Purification	**Affinity-chromatography**
Immunogen	**A synthesized peptide derived from human SAE2 / UBA2**
Description	**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.**
Storage Condition and Buffer	**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.**

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

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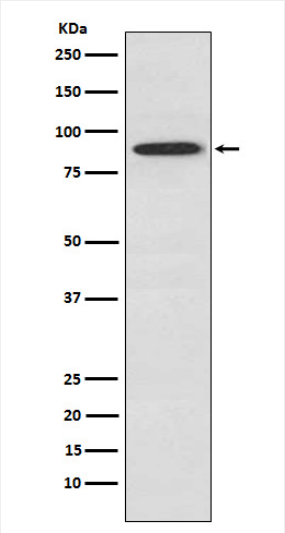
SAE2 / UBA2 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SAE2 / UBA2 Antibody - Images



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