

**SAE2 / UBA2 Antibody (N-Term)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2365a****Specification**

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**SAE2 / UBA2 Antibody (N-Term) - Product Information**

|                   |                                                                                   |
|-------------------|-----------------------------------------------------------------------------------|
| Application       | E                                                                                 |
| Primary Accession | <a href="#">O9UBT2</a>                                                            |
| Other Accession   | <a href="#">NP_005490</a> , <a href="#">10054</a> , <a href="#">50995 (mouse)</a> |
| Reactivity        | Mouse                                                                             |
| Predicted         | Human                                                                             |
| Host              | Goat                                                                              |
| Clonality         | Polyclonal                                                                        |
| Concentration     | 0.5 mg/ml                                                                         |
| Isotype           | IgG                                                                               |
| Calculated MW     | 71224                                                                             |

**SAE2 / UBA2 Antibody (N-Term) - Additional Information****Gene ID** 10054**Other Names**

SUMO-activating enzyme subunit 2, 6.3.2.-, Anthracycline-associated resistance ARX, Ubiquitin-like 1-activating enzyme E1B, Ubiquitin-like modifier-activating enzyme 2, UBA2, SAE2, UBLE1B

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

SAE2 / UBA2 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**SAE2 / UBA2 Antibody (N-Term) - 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 (N-Term) - 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 (N-Term) - Images****SAE2 / UBA2 Antibody (N-Term) - References**

Identification of the enzyme required for activation of the small ubiquitin-like protein SUMO-1.  
Desterro JM, Rodriguez MS, Kemp GD, Hay RT. J Biol Chem. 1999 Apr 9;274(15):10618-24. PMID: 10187858