

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

Specification

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

Application	E
Primary Accession	O9UBT2
Other Accession	NP_005490 , 10054 , 50995 (mouse)
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