

SAE2 / UBA2 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS13826**Specification**

SAE2 / UBA2 Antibody (C-Terminus) - Product Information

Application	ICC, IF, WB, IHC
Primary Accession	Q9UBT2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	71kDa KDa

SAE2 / UBA2 Antibody (C-Terminus) - 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

Target/Specificity

Human UBA2

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

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

SAE2 / UBA2 Antibody (C-Terminus) - 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

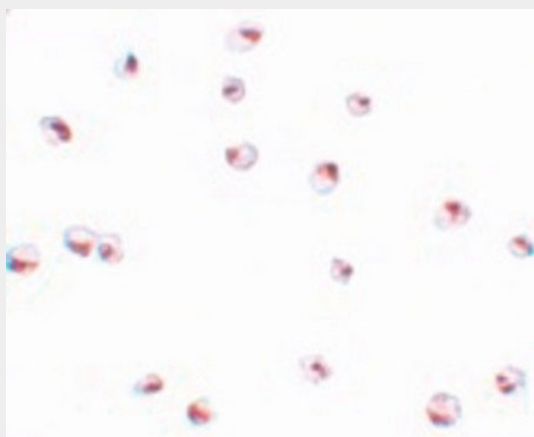
Cytoplasm. Nucleus. Note=Shuttles between the cytoplasm and the nucleus, sumoylation is required either for nuclear translocation or nuclear retention

SAE2 / UBA2 Antibody (C-Terminus) - Protocols

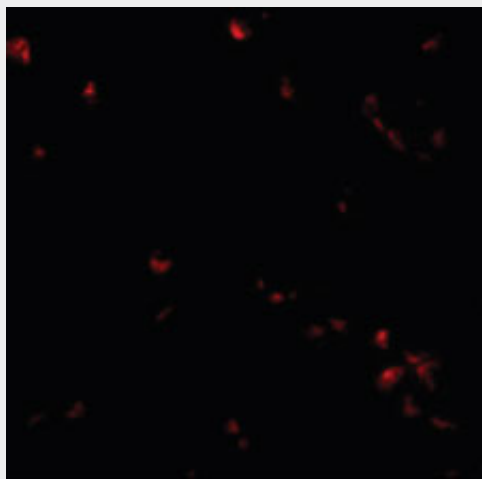
Provided below are standard protocols that you may find useful for product applications.

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

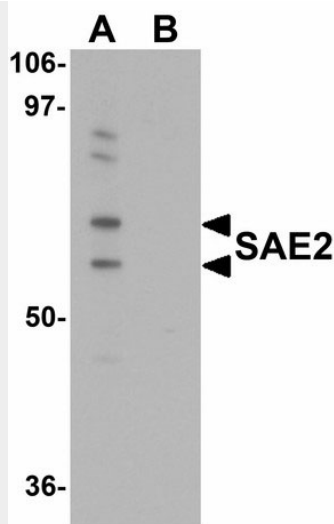
SAE2 / UBA2 Antibody (C-Terminus) - Images



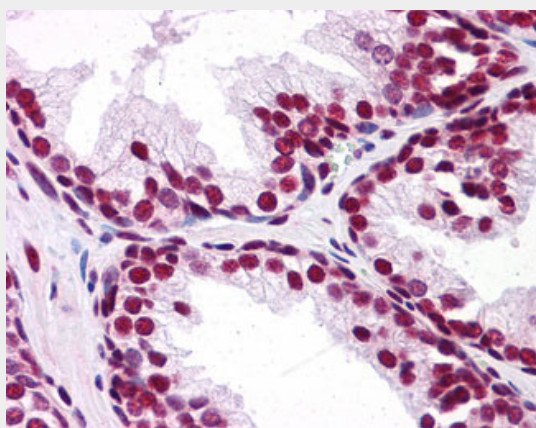
Immunocytochemistry of SAE2 in 293 cells with SAE2 antibody at 4 ug/ml.



Immunofluorescence of SAE2 in 293 cells with SAE2 antibody at 20 ug/ml.



Western blot of SAE2 in 293 cell lysate with SAE2 antibody at 0.25 ug/ml in (A) the absence and...



Anti-UBA2 antibody IHC of human prostate.

SAE2 / UBA2 Antibody (C-Terminus) - Background

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.

SAE2 / UBA2 Antibody (C-Terminus) - References

- Okuma T., et al. Biochem. Biophys. Res. Commun. 254:693-698(1999).
- Gong L., et al. FEBS Lett. 448:185-189(1999).
- Desterro J.M.P., et al. J. Biol. Chem. 274:10618-10624(1999).
- Slapak C., et al. Submitted (SEP-1995) to the EMBL/GenBank/DDBJ databases.
- Wiemann S., et al. Genome Res. 11:422-435(2001).