

Rabbit anti-Human, Mouse SAE2 Polyclonal Antibody | anti-SAE2 antibody

Rabbit anti-SAE2 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212074	Rabbit	Human, Mouse	Immunohistochemistry, Immunoprecipitation, Western Blot

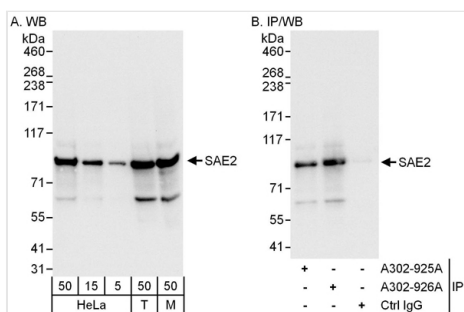
PRODUCT SYNONYMS

SAE2; Polyclonal Antibody; Rabbit anti-SAE2 Antibody; Affinity Purified; SUMO-activating enzyme subunit 2; ARX; Ubiquitin-like modifier-activating enzyme 2; ubiquitin-like 1-activating enzyme E1B; UBA2; ubiquitin-activating enzyme E1 homolog; SUMO1 activating enzyme subunit 2; anthracycline-associated resistance ARX; HRIHFB2115; SUMO-1 activating enzyme subunit 2; ubiquitin like modifier activating enzyme 2; anti-SAE2 antibody

PRODUCT SPECIFICATIONS

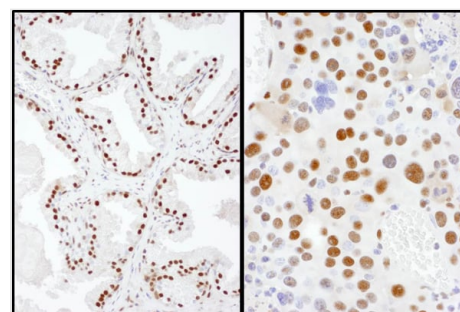
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Concentration	200ug/ml (varies by lot)
Applicable Applications for anti-SAE2 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 590 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human and mouse SAE2 by western blot (h&m) and immunoprecipitation (h). Samples: Whole cell lysate from HeLa (5, 15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded), HEK293T (T; 50 ug) and mouse NIH 3T3 (M; 50 ug) cells. Antibodies: Affinity purified rabbit anti-SAE2 antibody AAA212074 used for WB at 0.04 ug/ml (A) and 0.4 ug/ml (B) and used for IP at 3 ug/mg lysate. SAE2 was also immunoprecipitated by rabbit anti-SAE2 antibody which recognizes an upstream epitope. Detection: Chemiluminescence with exposure times of 3 seconds (A) and 1 second (B).



IHC (Immunohistochemistry)

Detection of human and mouse SAE2 by immunohistochemistry. Sample: FFPE sections of human prostate carcinoma (left) and mouse renal cell carcinoma (right). Antibody: Affinity purified rabbit anti-SAE2 (Cat. No. AAA212074 Lot1) used at a dilution of 1:200 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-SAE2 antibody	SAE2 (SUMO-activating enzyme subunit 2) is also known as UBA2 (ubiquitin-like modifier activating enzyme 2). Heterodimers of SAE1 and SAE2 act as an E1 ligase for SUMO1, SUMO2, SUMO3, and probably SUMO4. Heterodimers mediate 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 [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/Q9UBT2].
Product Categories/Family for anti-SAE2 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885649
NCBI GeneID	10054
NCBI Accession #	NP_005490.1
NCBI GenBank Nucleotide #	NM_005499.2
UniProt Accession #	Q9UBT2; O95605; Q59H87; Q6IBP6; Q9NTJ1; Q9UED2
Molecular Weight	71,224 Da
NCBI Official Full Name	SUMO-activating enzyme subunit 2
NCBI Official Synonym Full Names	ubiquitin-like modifier activating enzyme 2
NCBI Official Symbol	UBA2
NCBI Official Synonym Symbols	ARX; SAE2; HRIHFB2115
NCBI Protein Information	SUMO-activating enzyme subunit 2; SUMO1 activating enzyme subunit 2; SUMO-1 activating enzyme subunit 2; ubiquitin-like 1-activating enzyme E1B; anthracycline-associated resistance ARX; UBA2, ubiquitin-activating enzyme E1 homolog
UniProt Protein Name	SUMO-activating enzyme subunit 2
UniProt Gene Name	UBA2
UniProt Synonym Gene Names	SAE2; UBLE1B
UniProt Entry Name	SAE2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/sae2-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/212074>