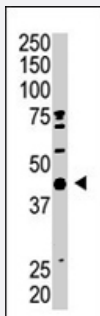


SAE1 polyclonal antibody

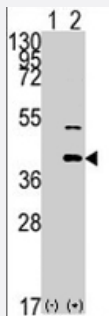
Catalog # PAB4352 Size 400 uL

Applications



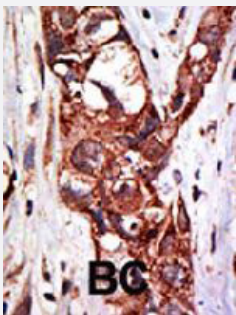
Western Blot (Tissue lysate)

The SAE1 polyclonal antibody (Cat # PAB4352) is used in Western blot to detect SAE1 in mouse heart tissue lysate .



Western Blot (Transfected lysate)

Western blot analysis of SAE1 (arrow) using rabbit SAE1 polyclonal antibody (Cat # PAB4352). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the SAE1 gene (Lane 2) (Origene Technologies).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with SAE1 polyclonal antibody (Cat # PAB4352) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining . This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated . BC = breast carcinoma .

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of SAE1.

Immunogen

A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human SAE1.

Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification
Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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The SAE1 polyclonal antibody (Cat # PAB4352) is used in Western blot to detect SAE1 in mouse heart tissue lysate .

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — SAE1

Entrez GeneID	10055
Protein Accession#	NP_005491:Q9UBE0
Gene Name	SAE1

Gene Alias	AOS1, FLJ3091, HSPC140, SUA1
Gene Description	SUMO1 activating enzyme subunit 1
Gene Ontology	Hyperlink
Other Designations	SUMO-1 activating enzyme E1 N subunit SUMO-1 activating enzyme subunit 1 activator of SUMO 1 sentrin/SUMO-activating protein AOS1 ubiquitin-like protein SUMO-1 activating enzyme

Publication Reference

- [Identification of the enzyme required for activation of the small ubiquitin-like protein SUMO-1.](#)
Desterro JM, Rodriguez MS, Kemp GD, Hay RT.
The Journal of Biological Chemistry 1999 Apr; 274(15):10618.
- [Molecular cloning and characterization of human AOS1 and UBA2, components of the sentrin-activating enzyme complex.](#)
Gong L, Li B, Millas S, Yeh ET.
FEBS Letters 1999 Apr; 448(1):185.
- [In vitro SUMO-1 modification requires two enzymatic steps, E1 and E2.](#)
Okuma T, Honda R, Ichikawa G, Tsumagari N, Yasuda H.
Biochemical and Biophysical Research Communications 1999 Jan; 254(3):693.

Pathway

- [Ubiquitin mediated proteolysis](#)