Product Datasheet

SAE2/ UBA2 Rabbit mAb

Catalog No: #49664

Package Size: #49664-1 50ul #49664-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

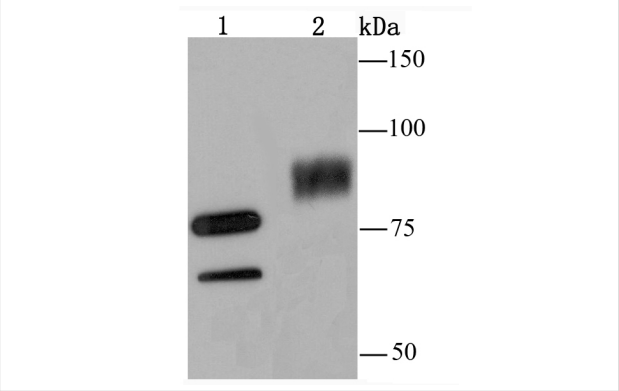
Description

Product Name	SAE2/ UBA2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JM66-53
Purification	ProA affinity purified
Applications	WB, IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Other Names	Anthracycline associated resistance ARX antibody Anthracycline-associated resistance ARX antibody ARX antibody FLJ13058 antibody HRIHFB2115 antibody SAE 2 antibody SAE2 antibody SAE2_HUMAN antibody SUMO 1 activating enzyme subunit 2 antibody SUMO activating enzyme subunit 2 antibody SUMO-activating enzyme subunit 2 antibody UBA2 antibody UBA2 ubiquitin activating enzyme E1 homolog antibody Ubiquitin like 1 activating enzyme E1B antibody Ubiquitin like modifier activating enzyme 2 antibody Ubiquitin-like 1-activating enzyme E1B antibody UBLE1B antibody
Accession No.	Swiss-Prot#:Q9UBT2
Uniprot	Q9UBT2
GeneID	10054;
Calculated MW	71 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

WB: 1:500 IP: 1:10-1:50

Images



Western blot analysis of SAE2/UBA2 on A549 (1) and PC-12 (2) cell lysate using anti-SAE2/UBA2 antibody at 1/500 dilution.

Background

The small ubiquitin-related modifier protein SUMO-1 belongs to the ubiquitin-like protein family, which are synthesized as precursor proteins that undergo processing before conjugation to target proteins. However, SUMO and ubiquitin differ with respect to targeting. Ubiquitination predominantly targets proteins for degradation, whereas sumoylation targets proteins to a variety of cellular processes, including nuclear transport, transcriptional regulation, apoptosis, and protein stability. SUMO-1 utilizes homologues of the E1 and E2 enzymes for conjugation to proteins, which include IkBα, MDM2, p53, PML, and RanGap1. AOS1 is homologous to the N-terminal half of E1 and UBA2 is homologous to the C-terminal half of E1. These proteins form a heterodimer that activates SUMO-1.

References

Note: This product is for in vitro research use only