SAE2 Antibody

Catalog No: #25116

Orders: order@signalwayantibody.com
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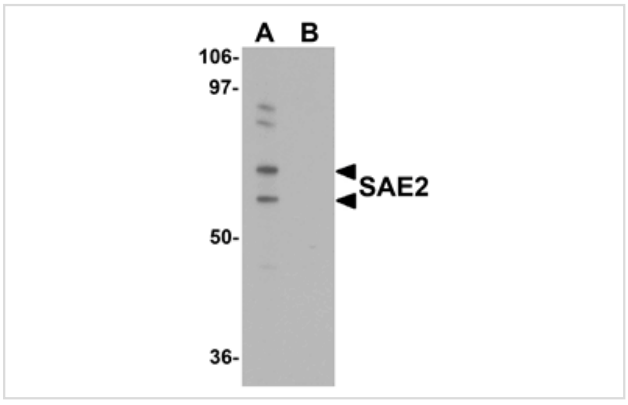
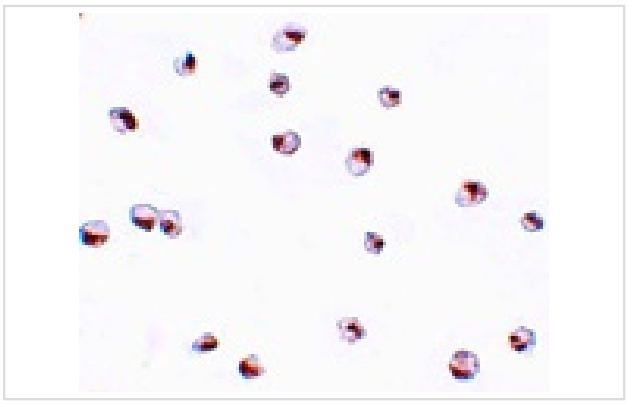
Description

Product Name	SAE2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB ICC
Species Reactivity	Hu
Immunogen Type	Peptide
Immunogen Description	Raised against an 18 amino acid peptide near the carboxy terminus of human SAE2.
Target Name	SAE2
Other Names	SUMO1 activating enzyme subunit 2, ubiquitin-like modifier activating enzyme 2, UBA2, ARX
Accession No.	Swiss-Prot:Q9UBT2Gene ID:10054
Uniprot	Q9UBT2
GeneID	10054;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of SAE2 in 293 cell lysate with SAE2 antibody at 0.25 ug/mL in (A) the absence and (B) the presence of blocking peptide.



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

Background

Small ubiquitin-like modifiers (SUMOs) are a family of small, related proteins (SUMO-1/2/3/4) that can be enzymatically attached to a target protein by a post-translational modification process termed sumoylation, a major regulator of protein function in cellular processes such as nuclear transport, transcriptional regulation, apoptosis and protein stability. This sumoylation is effected by the heterodimeric enzyme SAE1/SAE2 and the SUMO-1-conjugating enzyme Ubch9. The sumoylation pathway mediated by SAE1/SAE2 is distinct from other ubiquitin-like protein (Ubl) pathways.

Note: This product is for in vitro research use only