



Anti-SAE1 polyclonal antibody (DPABH-22985)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Specificity	DPABH-22985 shows minimal reactivity by ELISA against the non-phosphorylated form of the immunising peptide
Immunogen	A synthetic peptide corresponding to a region surrounding serine 185 of Human SAE1.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A purified
Conjugate	Unconjugated
Applications	WB, ELISA
Format	Liquid
Size	100 µg
Buffer	pH: 7.40; Constituents: 0.88% Sodium chloride, 49% PBS, 50% Glycerol
Preservative	0.01% Sodium Azide
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	SAE1 SUMO1 activating enzyme subunit 2 [Homo sapiens]
Official Symbol	SAE1
Synonyms	SAE1; SUMO1 activating enzyme subunit 1; AOS1; SUA1; UBLE1A; HSPC140; SUMO-activating enzyme subunit 1; activator of SUMO1; SUMO-1 activating enzyme subunit 1; sentrin/SUMO-activating protein AOS1; SUMO-1 activating enzyme E1 N subunit; ubiquitin-like 1-activating enzyme E1A; ubiquitin-like protein SUMO-1 activating enzyme;
Entrez Gene ID	10055
Protein Refseq	NP_001139185.1
UniProt ID	Q9UBE0
Pathway	Metabolism of proteins; Processing and activation of SUMO; SUMO is transferred from E1 to E2 (UBE2I, UBC9); Ubiquitin mediated proteolysis
Function	ATP-dependent protein binding; contributes_to SUMO activating enzyme activity; enzyme activator activity; protein C-terminus binding