



Human SAE1 blocking peptide (CDBP2589)

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

PRODUCT INFORMATION

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| Product Overview | Blocking/Immunizing peptide for anti-SAE1/AOS1 antibody |
| Antigen Description | Posttranslational modification of proteins by the addition of the small protein SUMO (see SUMO1; MIM 601912), or sumoylation, regulates protein structure and intracellular localization. SAE1 and UBA2 (MIM 613295) form a heterodimer that functions as a SUMO-activating enzyme for the sumoylation of proteins (Okuma et al., 1999 [PubMed 9920803]).[supplied by OMIM, Mar 2010] |
| Species | Human |
| Conjugate | Unconjugated |
| Applications | Apuri, BL, ELISA |
| Format | Lyophilized powder |
| Size | 100 µg |
| Preservative | None |
| Storage | Shipped at ambient temperature, store at -20°C. |

GENE INFORMATION

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| Gene Name | SAE1 SUMO1 activating enzyme subunit 1 [Homo sapiens] |
| Official Symbol | SAE1 |
| Synonyms | SAE1; SUMO1 activating enzyme subunit 1; SUMO-activating enzyme subunit 1; activator Of sumo 1; AOS1; FLJ3091; Sua1; 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; SUA1; UBLE1A; HSPC140;

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|----------------------------|--|
| Entrez Gene ID | 10055 |
| mRNA Refseq | NM_001145713 |
| Protein Refseq | NP_001139185 |
| UniProt ID | Q9UBE0 |
| Chromosome Location | 19q13.32 |
| Pathway | Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination & Proteasome degradation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; Immune System, organism-specific biosystem; Ubiquitin mediated proteolysis, organism-specific biosystem; |
| Function | ATP-dependent protein binding; contributes_to SUMO activating enzyme activity; enzyme activator activity; ligase activity; nucleotide binding; protein C-terminus binding; protein binding; protein heterodimerization activity; protein heterodimerization act |
