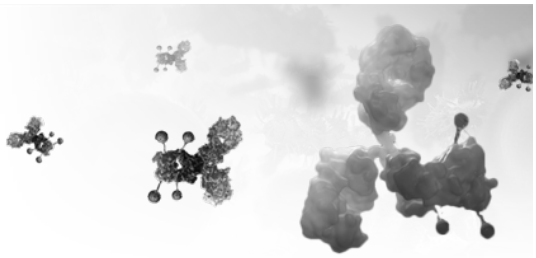

Human UBA2 blocking peptide (CDBP2590)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-SAE2/UBA2 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 (MIM 613294) and UBA2 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

Gene Name	UBA2 ubiquitin-like modifier activating enzyme 2 [Homo sapiens (human)]
Official Symbol	UBA2
Synonyms	UBA2; ubiquitin-like modifier activating enzyme 2; ARX; SAE2; HRIHFB2115; SUMO-activating enzyme subunit 2; SUMO1 activating enzyme subunit 2; SUMO-1 activating enzyme subunit 2; ubiquitin-like 1-activating enzyme E1B; anthracycline-associated resistance ARX; ubiquitin-like

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	modifier-activating enzyme 2; UBA2, ubiquitin-activating enzyme E1 homolog;
Entrez Gene ID	10054
mRNA Refseq	NM_005499.2
Protein Refseq	NP_005490.1
UniProt ID	Q9UBT2
Chromosome Location	19q12
Pathway	Conjugation of SUMO to E1 (UBA2:SAE1), organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; Post-translational protein modification, organism-specific biosystem; Processing and Activation of SUMO, organism-specific biosystem; SUMOylation, organism-specific biosystem; Transfer of SUMO from E1 to E2 (UBE2I, UBC9), organism-specific biosystem; Ubiquitin mediated proteolysis, organism-specific biosystem; Ubiquitin mediated proteolysis, conserved biosystem;
Function	ATP binding; SUMO activating enzyme activity; SUMO activating enzyme activity; enzyme activator activity; ligase activity; metal ion binding; protein binding; protein heterodimerization activity; transcription factor binding;

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