



UBA2 blocking peptide (CDBP6043)

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

PRODUCT INFORMATION

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]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-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 modifier-activating enzyme 2; UBA2, ubiquitin-activating enzyme E1 homolog

Entrez Gene ID	10054
mRNA Refseq	NM_005499
Protein Refseq	NP_005490
UniProt ID	Q9UBT2
Pathway	Metabolism of proteins; Post-translational protein modification; Processing and activation of SUMO; SUMO is conjugated to E1 (UBA2:SAE1); SUMO is transferred from E1 to E2 (UBE2I); SUMOylation; Ubiquitin mediated proteolysis
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