



SUMO1 blocking peptide (CDBP6209)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a protein that is a member of the SUMO (small ubiquitin-like modifier) protein family. It functions in a manner similar to ubiquitin in that it is bound to target proteins as part of a post-translational modification system. However, unlike ubiquitin which targets proteins for degradation, this protein is involved in a variety of cellular processes, such as nuclear transport, transcriptional regulation, apoptosis, and protein stability. It is not active until the last four amino acids of the carboxy-terminus have been cleaved off. Several pseudogenes have been reported for this gene. Alternate transcriptional splice variants encoding different isoforms have been characterized. [provided by RefSeq, Jul 2008]
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	SUMO1 small ubiquitin-like modifier 1 [Homo sapiens (human)]
Official Symbol	SUMO1
Synonyms	SUMO1; small ubiquitin-like modifier 1; DAP1; GMP1; PIC1; SMT3; UBL1; OFC10; SENP2; SMT3C; SMT3H3; small ubiquitin-related modifier 1; sentrin; SMT3 homolog 3; GAP modifying

protein 1; ubiquitin-like protein UBL1; ubiquitin-like protein SMT3C; SMT3 suppressor of mif two
3 homolog 1; ubiquitin-homology domain protein PIC1

Entrez Gene ID	7341
mRNA Refseq	NM_001005781
Protein Refseq	NP_001005781
UniProt ID	P63165
Pathway	Androgen receptor signaling pathway; Cytokine Signaling in Immune system; Diurnally regulated genes with circadian orthologs; Immune System; Interferon Signaling; Interferon gamma signaling; Metabolism of proteins; Nuclear pore complex
Function	SUMO ligase activity; poly(A) RNA binding; protein binding; transcription factor binding; ubiquitin protein ligase binding