Order online now!

www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 009-001-T66

SUMO1 (UBL1) protein-HIS Epitope

Overview

Description:	SUMO1 (UBL1) recombinant protein-HIS Epitope - 009-001-T66
Item No.:	009-001-T66
Size:	50 µg
Origin:	Human
Expressed in:	E. coli

Product Details

Background:	SUMO1 (also known as UBL1) is a member of the SUMO (small ubiquitin-like modifier) protein family which functions in a manner similar to ubiquitin. SUMO1 is bound to target proteins as part of a post-translational modification system and it is involved in a variety of cellular processes, such as nuclear transport, transcriptional regulation, apoptosis, and protein stability (1). SUMO1 may be involved in the repair of TOP1-mediated DNA damage (2). The sumoylation pathway plays a significant role in mammalian DNA damage response. SUMO1 Protein is ideal for investigators involved in Signaling Proteins, Ubiquitin Proteins, Apoptosis/Autophagy, Cell Cycle, and NfkB Pathway research.
Synonyms:	UBL1, DAP1, GMP1, SMT3, OFC10, SENP2, SMT3C, SMT3H3, PIC1, Small ubiquitin-related modifier 1
Species of Origin:	Human
Expressed in:	E. coli
Type:	Recombinant Protein

Target Details

Gene Name:	SUMO1
Purity/Specificity:	Recombinant human SUMO1 (UBL1) (2-97) was expressed in E. coli using an N-Terminal his epitope. The purity was determined to be >90% by densitometry.
Relevant Links:	• NCBI - NM_003352

Application Details

Application Note:	SUMO1 Protein is stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol. SUMO1 Protein is suitable for use in Western Blot. Expect a band approximately ~19kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.1 µg/µL
Buffer:	See application note.

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store product at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

www.rockland.com
tech@rockland.com
+1 484.791.3823