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Datasheet for 009-001-T67

SUMO2 protein-HIS Epitope

Overview

Description:	SUMO2 recombinant protein-HIS Epitope - 009-001-T67
Item No.:	009-001-T67
Size:	50 µg
Origin:	Human
Expressed in:	E. coli

Product Details

Background:	SUMO2 is a member of the SUMO (small ubiquitin-like modifier) protein family which functions in a manner similar to ubiquitin. SUMO2 is bound to target proteins as part of a post-translational modification system and modifies numerous cellular proteins and affect their metabolism and function. SUMO2 is also involved in a variety of cellular processes, such as nuclear transport, transcriptional regulation, apoptosis, and protein stability (1). SUMO2 is predominantly detected on nuclear bodies (2). SUMO2 Protein is ideal for investigators involved in Signaling Proteins, Ubiquitin Proteins, Apoptosis/Autophagy, Cell Cycle, and NfkB Pathway research.
Synonyms:	HSMT3, SMT3B, SMT3H2, SUMO3, Smt3A, Small ubiquitin-related modifier 2
Species of Origin:	Human
Expressed in:	E. coli
Type:	Recombinant Protein

Target Details

Gene Name:	SUMO2
Purity/Specificity:	Recombinant human SUMO2 (1-93) was expressed in E. coli cells using an N-Terminal his epitope. The purity was determined to be >95% by densitometry.
Relevant Links:	• NCBI - BC008450

Application Details

Application Note:	SUMO2 Protein is stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol. SUMO2 Protein is suitable for use in Western Blot. Expect a band approximately ~17.5kDa 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

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.

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