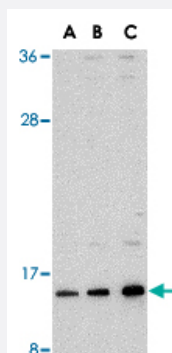


SUMO1 polyclonal antibody

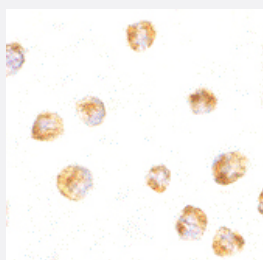
Catalog # PAB12977 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of SUMO1 in HL-60 cell lysate with SUMO1 polyclonal antibody (Cat # PAB12977) at (A) 0.5, (B) 1, and (C) 2 ug/mL .



Immunocytochemistry

Immunocytochemistry of SUMO1 in HL-60 cells with SUMO1 polyclonal antibody (Cat # PAB12977) at 5 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SUMO1.
Immunogen	A synthetic peptide corresponding to N-terminus 14 amino acids of human SUMO1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of SUMO1 in HL-60 cell lysate with SUMO1 polyclonal antibody (Cat # PAB12977) at (A) 0.5, (B) 1, and (C) 2 ug/mL .

- Immunohistochemistry

- Immunocytochemistry

Immunocytochemistry of SUMO1 in HL-60 cells with SUMO1 polyclonal antibody (Cat # PAB12977) at 5 ug/mL .

Gene Info — SUMO1

Entrez GeneID	7341
Protein Accession#	AAH66306
Gene Name	SUMO1
Gene Alias	DAP-1, GMP1, OFC10, PIC1, SENP2, SMT3, SMT3C, SMT3H3, SUMO-1, UBL1
Gene Description	SMT3 suppressor of mif two 3 homolog 1 (S. cerevisiae)
Omim ID	601912
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	GAP modifying protein 1 SMT3 suppressor of mif two 3 homolog 1 sentrin ubiquitin-like 1 (sentrin)

Publication Reference

- [Something about SUMO inhibits transcription.](#)

Gill G.

Current Opinion in Genetics & Development 2005 Oct; 15(5):536.

Application: WB, Human, Human mammalian cells

- [SUMO protein modification.](#)

Dohmen RJ.

Biochimica et Biophysica Acta 2004 Nov; 1695(1-3):113.

Application: WB, Human, Mammalian cells

- [SUMO-1 modification of IkappaBalpha inhibits NF-kappaB activation.](#)

Desterro JM, Rodriguez MS, Hay RT.

Molecular Cell 1998 Aug; 2(2):233.

Application: WB-Ce, Human, Monkey, HeLa, Jurkat, COS-7, 293 cells

Disease

- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Mellitus](#)
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