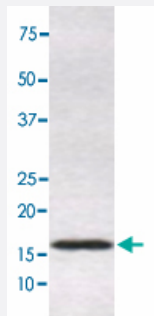


SUMO1 polyclonal antibody

Catalog # PAB0716

Size 100 uL

Applications



Western Blot

Western blot detection of recombinant SUMO1 protein using rabbit SUMO1 polyclonal antibody (Cat # PAB0716) at a dilution of 1 : 4000. The protein sample was 1 uL of E.Coli cell lysate containing approximately 50 ng of recombinant SUMO1 protein. The antibody detects a band of 17 KDa.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SUMO1.
Immunogen	A synthetic peptide (conjugated diphtheria toxoid) corresponding to amino acids 6-21 of human SUMO1.
Sequence	AKPSTEDLGDKKEGEY
Host	Rabbit
Reactivity	Human, Rat
Specificity	This antiserum recognizes human SUMO-1 and not ubiquitin.
Form	Lyophilized
Recommend Usage	Immunohistochemistry (1:1000-1:2000) Western Blot (1:2000-1:4000) The optimal dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS

Storage Instruction

Store at 4°C on dry atmosphere.
After reconstitution with deionized water, store at -20°C or lower.
Aliquot to avoid repeated freezing and thawing.

Applications

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- Immunohistochemistry (Frozen sections)

Gene Info — SUMO1

Entrez GeneID [7341](#)

Protein Accession# [P63165](#)

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)

Disease

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- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
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