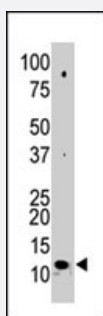


# SUMO2 polyclonal antibody

Catalog # PAB2405

Size 400 uL

## Applications



### Western Blot (Transfected lysate)

Western blot analysis of SUMO2 polyclonal antibody (Cat # PAB2405) in 293 cell lysate. SUMO2 (arrow) was detected using purified polyclonal antibody. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of SUMO2.
<b>Immunogen</b>	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human SUMO2.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Protein G purification
<b>Recommend Usage</b>	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.09% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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## Gene Info — SUMO2

Entrez GeneID	<a href="#">6613</a>
Protein Accession#	<a href="#">NP_008868;P61956</a>
Gene Name	SUMO2
Gene Alias	HSMT3, MGC117191, SMT3B, SMT3H2
Gene Description	SMT3 suppressor of mif two 3 homolog 2 (S. cerevisiae)
Omim ID	<a href="#">603042</a>
Gene Ontology	<a href="#">Hyperlink</a>
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 two amino acids of the carboxy-terminus have been cleaved off. Numerous pseudogenes have been reported for this gene. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq]
Other Designations	SMT3 suppressor of mif two 3 homolog 2 sentrin 2 small ubiquitin-like modifier 2, isoform a

## Publication Reference

- [Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences.](#)

Strausberg RL, Feingold EA, Grouse LH, Derge JG, Klausner RD, Collins FS, Wagner L, Shenmen CM, Schuler GD, Altschul SF, Zeeberg B, Buetow KH, Schaefer CF, Bhat NK, Hopkins RF, Jordan H, Moore T, Max SI, Wang J, Hsieh F, Diatchenko L, Marusina K, Farmer AA, Rubin GM, Hong L, Stapleton M, Soares MB, Bonaldo MF, Casavant TL, Scheetz TE, Brownstein MJ, Ustin TB, Toshiyuki S, Caminci P, Prange C, Raha SS, Loquellano NA, Peters GJ, Abramson RD, Mullahy SJ, Bosak SA, McEwan PJ, McKernan KJ, Malek JA, PNAS 2002 Dec; 99(26):16899.

- [SMT3A, a human homologue of the \*S. cerevisiae\* SMT3 gene, maps to chromosome 21qter and defines a novel gene family.](#)

Lapenta V, Chiurazzi P, van der Spek P, Pizzuti A, Hanaoka F, Brahe C.

Genomics 1997 Mar; 40(2):362.

- [Cloning and expression of human homolog HSMT3 to yeast SMT3 suppressor of MIF2 mutations in a centromere protein gene.](#)

Mannen H, Tseng HM, Cho CL, Li SS.

Biochemical and Biophysical Research Communications 1996 May; 222(1):178.