

SUMO1 rabbit monoclonal antibody

Catalog # H00007341-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human SUMO1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human SUMO1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human SUMO1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — SUMO1

Entrez GeneID	7341
GeneBank Accession#	SUMO1
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

- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)

- [Tooth Abnormalities](#)