

Rabbit Sumo Polyclonal Antibody | anti-SUMO1 antibody

Sumo Antibody

CATALOG # AAA39623	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot, ELISA
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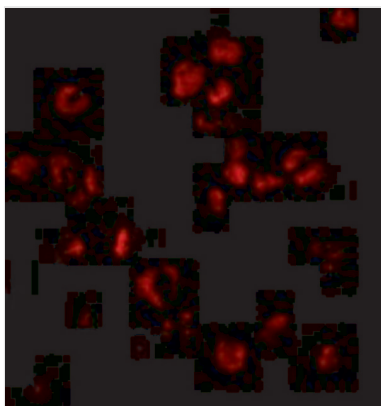
PRODUCT SYNONYMS

Sumo; Polyclonal Antibody; Sumo Antibody; DAP1; GMP1; PIC1; SMT3; UBL1; OFC10; SENP2; SMT3C; SMT3H3; OK/SW-cl.43; Small ubiquitin-related modifier 1; GAP-modifying protein 1; SUMO-1; SMT3 suppressor of mif two 3 homolog 1 (S. cerevisiae); anti-SUMO1 antibody

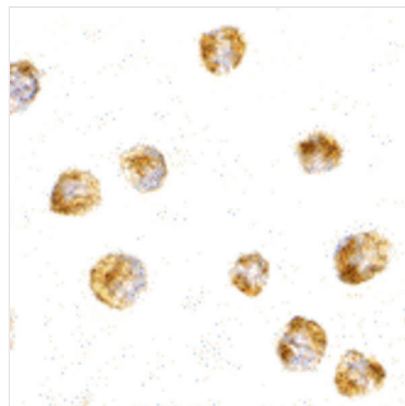
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Sumo Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	101
Applicable Applications for anti-SUMO1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	Sumo antibody was raised against a 14 amino acid synthetic peptide from near the amino terminus of human sumo.
Buffer	Sumo Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Sumo antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

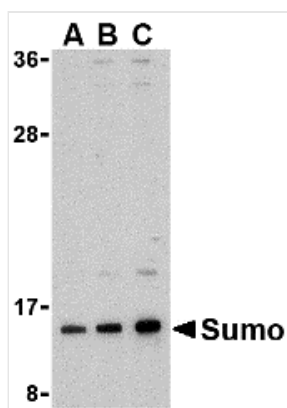
IMAGES


IF (Immunofluorescence)

Immunofluorescence of Sumo in HL60 cells with Sumo antibody at 20 &#956;g/mL.


ICC (Immunocytochemistry)

Immunocytochemistry of Sumo in HL60 cells with Sumo antibody at 5 &#956;g/mL.



WB (Western Blot)

Western blot analysis of sumo in HL-60 cell lysate with sumo antibody at (A) 0.5, (B) 1, and (C) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-SUMO1 antibody

Sumo Antibody: The sumo family of proteins is related both structurally and functionally to ubiquitin in that they are post-translationally attached to the e-amino group of a lysine residue of the substrate protein. This sumoylation plays a number of roles in DNA replication and repair, protein targeting to various subnuclear structures, and the regulation of numerous cellular processes including the inflammatory response in mammalian cells. Sumo was initially identified as a covalent modification of RanGAP1 in studies on nuclear import in mammalian cells. More recently, sumo has been shown to be involved in the regulation of transcription factors, possibly by enhancing their interactions with co-repressors. Sumo is also thought to play some role in the modulation of ubiquitin-mediated degradation of proteins by acting as an inhibitor. At least four different isoforms of sumo are known to exist; Sumo antibody will only recognize isoform 1.

NCBI AND UNIPROT INFORMATION

NCBI GI #	42490984
NCBI GeneID	7341
UniProt Accession #	P63165 ; P55856 ; Q6FGG0 ; Q6NZ62 ; Q93068 ; A8MUS8 ; B2R4I5
Molecular Weight	8,799 Da
NCBI Official Full Name	SMT3 suppressor of mif two 3 homolog 1 (<i>S. cerevisiae</i>)
NCBI Official Synonym Full Names	small ubiquitin-like modifier 1
NCBI Official Symbol	SUMO1
NCBI Official Synonym Symbols	DAP1; GMP1; PIC1; SMT3; UBL1; OFC10; SENP2; SMT3C; SMT3H3
NCBI Protein Information	small ubiquitin-related modifier 1; sentrin; SMT3 homolog 3; GAP modifying protein 1; ubiquitin-like protein UBL1; ubiquitin-like protein SMT3C; SMT3 suppressor of mif two 3 homolog 1; ubiquitin-homology domain protein PIC1
UniProt Protein Name	Small ubiquitin-related modifier 1
UniProt Gene Name	SUMO1
UniProt Synonym Gene Names	SMT3C; SMT3H3; UBL1; SUMO-1; GMP1; Smt3C
UniProt Entry Name	SUMO1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/sumo-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39623>