

Rabbit anti-Human SUMO2/3 Polyclonal Antibody | anti-SUMO3 antibody

SUMO2/3 Antibody (Center)

CATALOG # AAA287615	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
-------------------------------	-----------------------	----------------------------	--

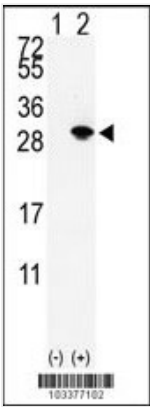
PRODUCT SYNONYMS

SUMO2/3; Polyclonal Antibody; SUMO2/3 Antibody (Center); Small ubiquitin-related modifier 3; SUMO-3; SMT3 homolog 1 {ECO:0000312|HGNC:HGNC:11124}; SUMO-2; Ubiquitin-like protein SMT3A; Smt3A; SUMO3 HGNC:11124); anti-SUMO3 antibody

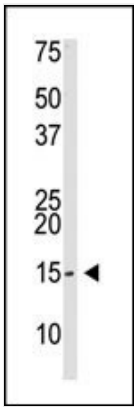
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SUMO2/3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 38-64 amino acids from the Central region of human SUMO2/3.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	38-64
Sequence Length	141
Applicable Applications for anti-SUMO3 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of SUMO3 (arrow) using rabbit polyclonal SUMO2/3 Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the SUMO3 gene (Lane 2) (Origene Technologies).



WB (Western Blot)
The anti-SUMO2/3 Pab is used in Western blot to detect SUMO2/3 in Saos-2 cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-SUMO3 antibody	SUMO2 and SUMO3 are members of the SUMO (small ubiquitin-like modifier) protein family. This protein family 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. In vertebrates, three members of the SUMO family have been described, SUMO 1 and the functionally distinct homologues SUMO 2 and SUMO 3. SUMO modification sites present in the N terminal regions of SUMO 2 and SUMO 3 are utilized by SAE1/SAE2 (SUMO E1) and Ubc9 (SUMO E2) to form polymeric chains of SUMO 2 and SUMO 3 on protein substrates, a property not shared by SUMO 1.
Product Categories/Family for anti-SUMO3 antibody	Cell Biology
References	Strausberg, R.L., et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002). Lapenta, V., et al., Genomics 40(2):362-366 (1997). Mannen, H., et al., Biochem. Biophys. Res. Commun. 222(1):178-180 (1996).

NCBI AND UNIPROT INFORMATION

NCBI GI #	48928058
NCBI GeneID	6612
NCBI Accession #	NP_008867.2
NCBI GenBank Nucleotide #	NM_006936.2
UniProt Accession #	P55854; Q53HI9; Q6FGD4; Q9BWR4; B2R5X4; B4DUW4
Molecular Weight	11637
NCBI Official Full Name	small ubiquitin-related modifier 3 isoform 1
NCBI Official Synonym Full Names	small ubiquitin-like modifier 3
NCBI Official Symbol	SUMO3
NCBI Official Synonym Symbols	SMT3A; Smt3B; SMT3H1; SUMO-3
NCBI Protein Information	small ubiquitin-related modifier 3
UniProt Protein Name	Small ubiquitin-related modifier 3
UniProt Gene Name	SUMO3

UniProt Synonym Gene Names	Smt3A
UniProt Entry Name	SUMO3_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/sumo2-3-antibody-western-blot-elisa/287615>