

Rabbit SUMO2/3 Polyclonal Antibody | anti-SUMO3 antibody

SUMO2/3 Antibody (C-term)

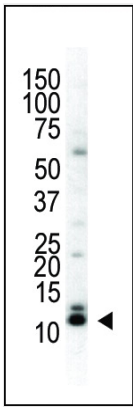
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28663	Rabbit	Human, mouse (Predicted Reactivity: Xenopus, Zebrafish, Bovine, Chicken, Hamster, Monkey, Pig, Rat)	Immunofluorescence, ELISA, Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

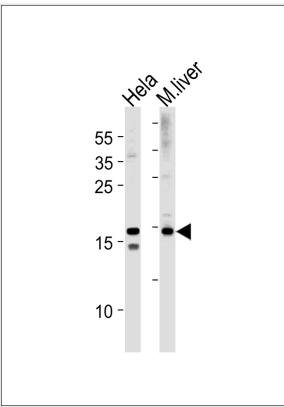
SUMO2/3; Polyclonal Antibody; SUMO2/3 Antibody (C-term); Small ubiquitin-related modifier 3; SUMO-3; SMT3 homolog 1 {ECO:0000312|HGNC:HGNC:11124}; SUMO-2; Ubiquitin-like protein SMT3A; Smt3A; SUMO3 HGNC:11124); anti-SUMO3 antibody

PRODUCT SPECIFICATIONS

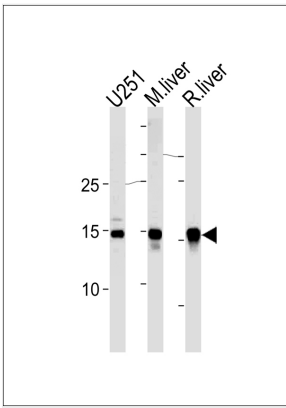
Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Xenopus, Zebrafish, Bovine, Chicken, Hamster, Monkey, Pig, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SUMO2/3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 49-81 amino acids from the C-terminal 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	49-81
Sequence Length	103
Applicable Applications for anti-SUMO3 antibody	IF (Immunofluorescence), ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	IF~~1:25 WB~~1:1000
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
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.



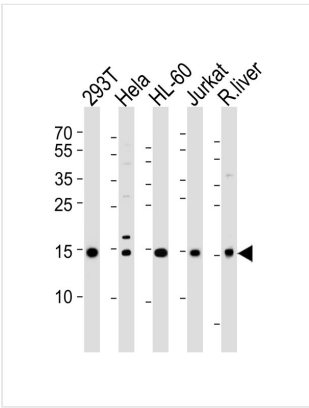
WB (Western Blot)
The anti-SUMO2/3 C-term Pab is used in Western blot to detect SUMO2/3 in HeLa cell lysate.



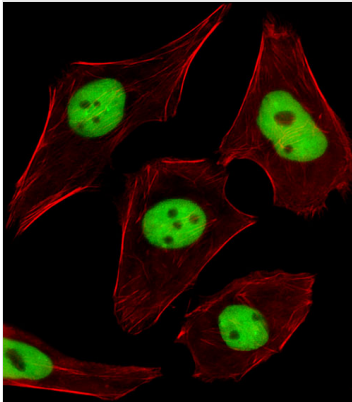
WB (Western Blot)
SUMO2/3 Antibody (C-term) western blot analysis in HeLa cell line and mouse liver tissue lysates (35ug/lane). This demonstrates the SUMO2/3 antibody detected the SUMO2/3 protein (arrow).



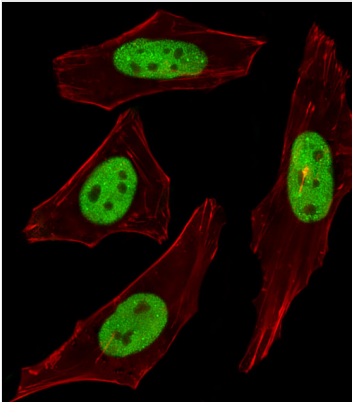
WB (Western Blot)
SUMO2/3 Antibody (C-term) western blot analysis in U251 cell lysate, mouse liver and rat liver tissue lysates (35ug/lane). This demonstrates that the SUMO2/3 antibody detected SUMO2/3 protein (arrow).



WB (Western Blot)
Western blot analysis of lysates from 293T, HeLa, HL-60, Jurkat cell lines and rat liver tissue lysate (from left to right), using SUMO2/3 Antibody (Q65). AAA28663 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



IF (Immunofluorescence)
Fluorescent image of U251 cells stained with SUMO2/3 Antibody (C-term). AAA28663 was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor 555 conjugated with Phalloidin (red).



IF (Immunofluorescence)
Fluorescent image of HeLa cells stained with SUMO2/3 Antibody (C-term). AAA28663 was diluted at 1:100 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor 555 conjugated with Phalloidin (red).

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	Crown Antibodies ; 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).

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-immunofluorescence-western-blot-immunohistochemistry-elisa/28663>