

Rabbit SUMO2 Polyclonal Antibody | anti-SUMO2 antibody

SUMO2 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289368	Rabbit	Human (Predicted Reactivity: Xenopus, Zebrafish, Bovine, Chicken, Hamster, Monkey, Mouse, Pig, Rat)	Western Blot, Immunohistochemistry, ELISA

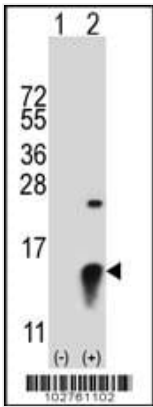
PRODUCT SYNONYMS

SUMO2; Polyclonal Antibody; SUMO2 Antibody (C-term); Small ubiquitin-related modifier 2; SUMO-2; HSMT3; SMT3 homolog 2 {ECO:0000312|HGNC:HGNC:11125}; SUMO-3; Sentrin-2; Ubiquitin-like protein SMT3B; Smt3B; SUMO2 HGNC:11125); anti-SUMO2 antibody

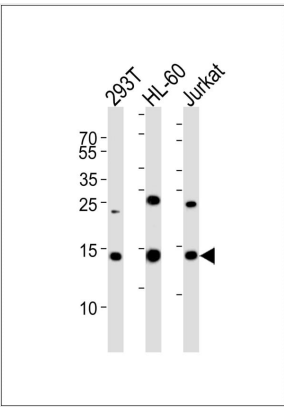
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Xenopus, Zebrafish, Bovine, Chicken, Hamster, Monkey, Mouse, Pig, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SUMO2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 63-93 amino acids from the C-terminal region of human SUMO2.
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.
Sequence Positions	63-93
Sequence Length	71
Applicable Applications for anti-SUMO2 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
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.

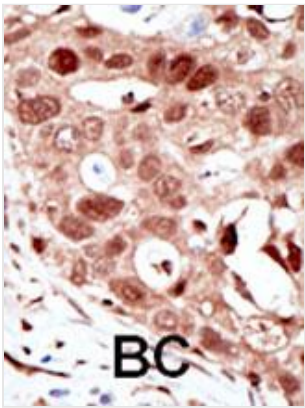
IMAGES



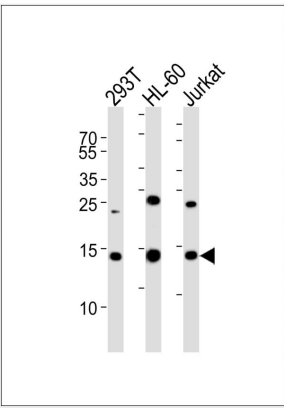
WB (Western Blot)
Western blot analysis of SUMO2 (arrow) using rabbit polyclonal SUMO2 Antibody. 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the SUMO2 gene.



WB (Western Blot)
The SUMO2 C-term Antibody is used in Western blot to detect SUMO2 in GST-SUMO2 fusion protein (lane 1) and HL60 cell lysate (lane 2).



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
Western blot analysis of lysates from 293T, HL-60, Jurkat cell line (from left to right), using SUMO2 Antibody. AAA289368 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.

ADDITIONAL INFORMATION

Related Product Information for anti-SUMO2 antibody	SUMO2 is a member 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-SUMO2 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 #	54792071
NCBI GeneID	6613

NCBI Accession #	NP_001005849.1; NP_008868.3
NCBI GenBank Nucleotide #	NM_001005849.1
UniProt Accession #	P61956; P55855; Q32Q42; Q6IPZ6; Q96HK1; B2R4I2
Molecular Weight	10871
NCBI Official Full Name	small ubiquitin-related modifier 2 isoform b
NCBI Official Synonym Full Names	small ubiquitin-like modifier 2
NCBI Official Symbol	SUMO2
NCBI Official Synonym Symbols	HSMT3; SMT3B; SUMO3; Smt3A; SMT3H2
NCBI Protein Information	small ubiquitin-related modifier 2
UniProt Protein Name	Small ubiquitin-related modifier 2
UniProt Gene Name	SUMO2
UniProt Synonym Gene Names	Smt3B
UniProt Entry Name	SUMO2_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/sumo2-antibody-western-blot-immunohistochemistry-elisa/289368>