

Rabbit SUMO2 Polyclonal Antibody | anti-SUMO2 antibody

Anti-SUMO2 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254463	Rabbit	HumanPredicted to React with: Mouse, Rat (Species predicted to react based on 100% sequence homology)	Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Western Blot

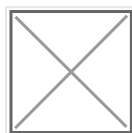
PRODUCT SYNONYMS

SUMO2; Polyclonal Antibody; Anti-SUMO2 Antibody; Rabbit Polyclonal; SUMO2 Antibody; Rabbit PAb; Antigen Affinity Purified; small ubiquitin-like modifier 2; Anti-HSMT3 Antibody; Anti-Smt3A Antibody; Anti-SMT3B Antibody; Anti-SMT3H2 Antibody; Anti-SUMO3 Antibody; anti-SUMO2 antibody

PRODUCT SPECIFICATIONS

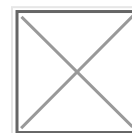
Host	Rabbit
Reactivity	Human Predicted to React with: Mouse, Rat (Species predicted to react based on 100% sequence homology)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human SUMO2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-SUMO2 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the C-terminus of the Human SUMO2
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Human SUMO2, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Anti-SUMO2 rabbit polyclonal antibody at 1:500 dilutionLane A: SW480 Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:12 kDaObserved band size:17 kDa(We are unsure as to the identity of these extra bands.



IP (Immunoprecipitation)

SUMO2 was immunoprecipitated using:Lane A:0.5 mg SW480 Whole Cell Lysate2 uL anti-SUMO2 rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose.Primary antibody:Anti-SUMO2 rabbit polyclonal antibody,at 1:200 dilutionSecondary antibody:Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilutionDeveloped using the odssey technique.Performed under reducing conditions.Predicted band size: 17 kDaObserved band size: 17 kDa



IF (Immunofluorescence)

Immunofluorescence staining of SUMO2 in HeLa cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with rabbit anti-human SUMO2 polyclonal antibody (1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor594-conjugated Goat Anti-rabbit IgG secondary antibody (red). Positive staining was localized to nucleus..

ADDITIONAL INFORMATION

Related Product Information for anti-SUMO2 antibody	SUMO2 gene silencing promotes proliferation, and inhibits the apoptosis and senescence of NPCs in rats with IDD through the down-regulation of the p53 signaling pathway. Thus, SUMO2 is a potential target in the treatment of Intervertebral disc degeneration (IDD). The small ubiquitin-related modifier protein (SUMO) functions as a posttranslational modification system and SUMO2/3 subtypes are often activated in early stress. SUMO2 as a novel activator of Cn-NFAT signaling in cardiomyocytes.
Product Categories/Family for anti-SUMO2 antibody	NF-kB (NFkB) Pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	54792071
NCBI GeneID	6613
NCBI Accession #	NP_001005849.1
NCBI GenBank Nucleotide #	NM_001005849.1
UniProt Accession #	P61956 ; P55855 ; Q32Q42 ; Q6IPZ6 ; Q96HK1 ; B2R4I2
Molecular Weight	10,871 Da
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; sentrin 2; SMT3 homolog 2; ubiquitin-like protein SMT3A; ubiquitin-like protein SMT3B; SMT3 suppressor of mif two 3 homolog 2
UniProt Protein Name	Small ubiquitin-related modifier 2
UniProt Gene Name	SUMO2
UniProt Synonym Gene Names	SMT3A; SMT3H2; SUMO-2; Smt3A
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-immunoprecipitation-immunofluorescence-immunocytochemistry-western-blot-elisa/254463>