

Rabbit SUMO3 Polyclonal Antibody | anti-SUMO3 antibody

SUMO3 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA37216	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

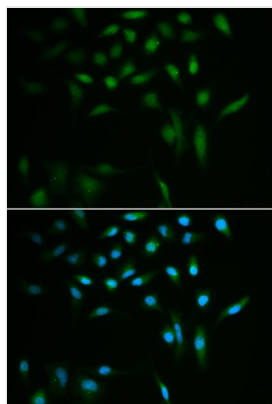
PRODUCT SYNONYMS

SUMO3; Polyclonal Antibody; SUMO3 Polyclonal Antibody; SMT3A; Smt3B; SMT3H1; SUMO-3; anti-SUMO3 antibody

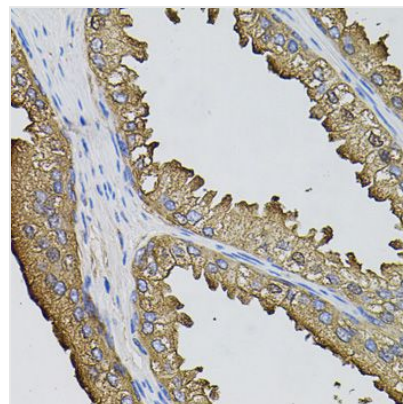
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	103
Applicable Applications for anti-SUMO3 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Route	Synthetic Peptide
Immunogen	A synthetic peptide of human SUMO3
Calculated Molecular Weight	12kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

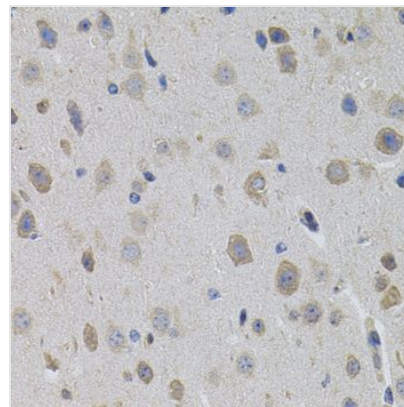
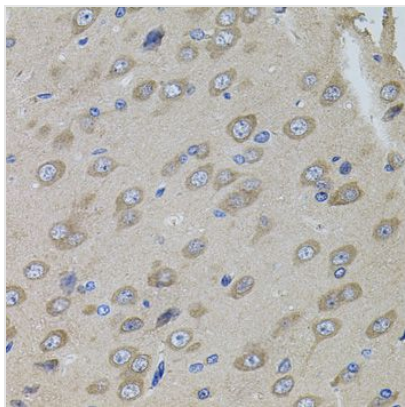
IMAGES


IF (Immunofluorescence)

Immunofluorescence analysis of A549 cells using SUMO3 antibody. Blue: DAPI for nuclear staining.


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human prostate using SUMO3 antibody (40x lens).

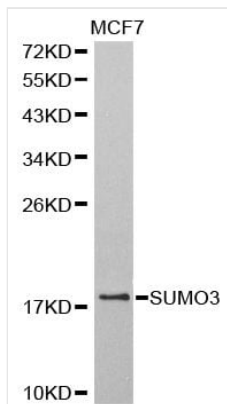


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat brain using SUMO3 antibody (40x lens).

IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse brain using SUMO3 antibody (40x lens).



WB (Western Blot)

Western blot analysis of extracts of MCF-7 cells, using SUMO3 antibody at 1:800 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-SUMO3 antibody

Small ubiquitin-related modifier 1, 2 and 3 (SUMO-1, -2 and -3) are members of the ubiquitin-like protein family (1). The covalent attachment of the SUMO-1, -2 or -3 (SUMOylation) to target proteins is analogous to ubiquitination. This post-translational modification is a reversible, multi-step process that is initiated by cleaving a precursor protein to a mature protein. Mature SUMO-1, -2 or -3 is then linked to the activating enzyme E1, conjugated to E2 and in conjunction with E3, SUMO-1, -2 or -3 is ligated to the target protein (2). Ubiquitin and the individual SUMO family members are all targeted to different proteins with diverse biological functions. Ubiquitin predominantly regulates degradation of its target (1). In contrast, SUMO-1 is conjugated to RanGAP, PML, p53 and IkappaB-alpha to regulate nuclear trafficking, formation of subnuclear structures, regulation of transcriptional activity and protein stability (3-7). SUMO-2/-3 forms poly-(SUMO) chains, is conjugated to topoisomerase II and APP, regulates chromosomal segregation and cellular responses to environmental stress, and plays a role in the progression of Alzheimer disease (8-11).

Product Categories/Family for anti-SUMO3 antibody

Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	23503102
NCBI GeneID	6612
UniProt Accession #	P55854; Q53HI9; Q6FGD4; Q9BWR4; B2R5X4; B4DUW4
Molecular Weight	103
NCBI Official Full Name	Small ubiquitin-related modifier 3

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; ubiquitin-like protein SMT3B; SMT3 suppressor of mif two 3 homolog 1; SMT3 suppressor of mif two 3 homolog 3
UniProt Protein Name	Small ubiquitin-related modifier 3
UniProt Gene Name	SUMO3
UniProt Synonym Gene Names	SUMO-3Curated
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/sumo3-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/37216>