

Rabbit SUMO4 Monoclonal Antibody | anti-SUMO4 antibody

SUMO4 Antibody

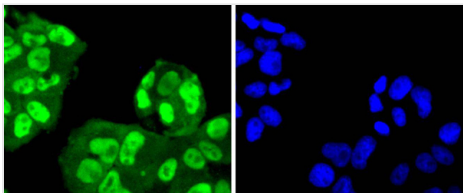
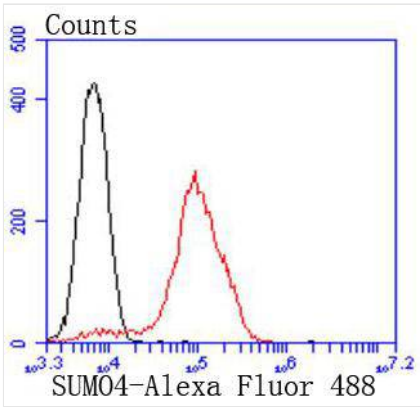
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30248	Rabbit	Human, Mouse, Rat	Western Blot, Immunocytochemistry, Immunofluorescence, Immunoprecipitation, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

SUMO4; Monoclonal Antibody; SUMO4 Antibody; dJ281H8.4 antibody; IDDM5 antibody; Small ubiquitin like modifier 4 protein antibody; Small ubiquitin-like protein 4 antibody; Small ubiquitin-related modifier 4 antibody; SMT3 suppressor of mif two 3 homolog 2 antibody; SMT3 suppressor of mif two 3 homolog 4 (S. cerevisiae) antibody; SMT3H4 antibody; SUMO 4 antibody; SUMO-4 antibody; SUMO4 antibody; SUMO4_HUMAN antibody; anti-SUMO4 antibody

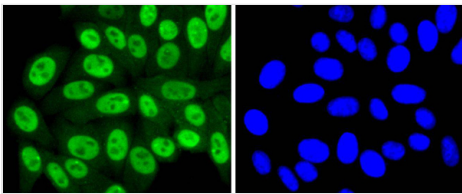
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	JJ085-01
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-SUMO4 antibody	WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence), IP (Immunoprecipitation), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:1000-1:2000 ICC: 1:100-1:500 FC/FACS: 1:50-1:100
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

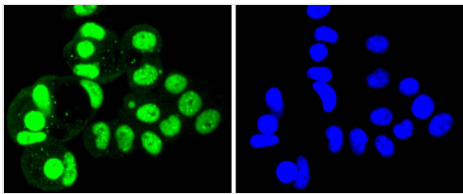


ICC (Immunocytochemistry)
ICC staining SUMO4 in RH-35 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

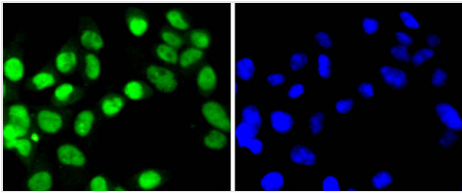
FCM (Flow Cytometry)
Flow cytometric analysis of 293 cells with SUMO4 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody



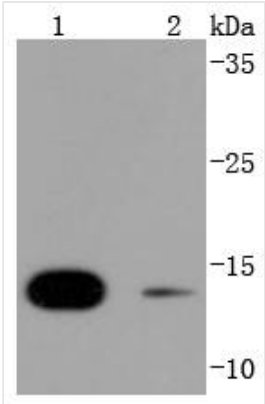
ICC (Immunocytochemistry)
ICC staining SUMO4 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)
ICC staining SUMO4 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)
ICC staining SUMO4 in 293 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



WB (Western Blot)
Western blot analysis of SUMO4 on different lysates using anti-SUMO4 antibody at 1/1, 000 dilution. Positive control: Lane 1: 293T Lane 2: Jurkat

ADDITIONAL INFORMATION

Related Product Information for anti-SUMO4 antibody	The small ubiquitin-related modifier (SUMO) proteins, which include SUMO-1, SUMO-2, SUMO-3 and SUMO-4, belong to the ubiquitin-like protein family. Like ubiquitin, the SUMO proteins are synthesized as precursor proteins that undergo processing before conjugation to target proteins. Ubiquitin and SUMO proteins utilize the E1, E2 and E3 cascade enzymes for conjugation. However, SUMO and ubiquitin differ with respect to targeting. Ubiquitination predominantly targets proteins for degradation, whereas sumoylation targets proteins for a variety of cellular processing, including nuclear transport, transcriptional regulation, apoptosis and protein stability. The unconjugated SUMO-1, SUMO-2, SUMO-3 and SUMO-4 proteins localize to the nucleus. In contrast to the other SUMO proteins, SUMO-4 seems to be insensitive to sentrin-specific proteases due to the presence of Pro-90, which may impair processing to mature form and conjugation to substrates. It is suggested that defects in the gene that encodes for the SUMO-4 protein may be involved in the pathogenesis of type I diabetes.
Product Categories/Family for anti-SUMO4 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	81175019
NCBI GeneID	387082
UniProt Accession #	Q6EEV6; A1L3W5
Molecular Weight	95
NCBI Official Full Name	Small ubiquitin-related modifier 4
NCBI Official Synonym Full Names	small ubiquitin-like modifier 4
NCBI Official Symbol	SUMO4
NCBI Official Synonym Symbols	IDDM5; SMT3H4; SUMO-4; dJ281H8.4
NCBI Protein Information	small ubiquitin-related modifier 4; insulin-dependent diabetes mellitus 5; SMT3 suppressor of mif two 3 homolog 2; SMT3 suppressor of mif two 3 homolog 4; small ubiquitin-like modifier 4 protein
UniProt Protein Name	Small ubiquitin-related modifier 4
UniProt Gene Name	SUMO4
UniProt Synonym Gene Names	SMT3H4; SUMO-4
UniProt Entry Name	SUMO4_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/monoclonal/sumo4-antibody-clone-jj085-01-western-blot-immunocytochemistry-immunofluorescence-immunoprecipitation-flow-cytometry-elisa/30248>