

Datasheet for ABIN6990687
anti-SUMO antibody (N-Term)



[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	SUMO
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SUMO antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Sumo antibody was raised against a 14 amino acid synthetic peptide from near the amino terminus of human sumo. The immunogen is located within the first 50 amino acids of Sumo.
Isotype:	IgG
Purification:	Sumo Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	SUMO
Abstract:	SUMO Products
Background:	Sumo Antibody: The sumo family of proteins is related both structurally and functionally to ubiquitin in that they are post-translationally attached to the e-amino group of a lysine residue

Target Details

of the substrate protein. This sumoylation plays a number of roles in DNA replication and repair, protein targeting to various subnuclear structures, and the regulation of numerous cellular processes including the inflammatory response in mammalian cells. Sumo was initially identified as a covalent modification of RanGAP1 in studies on nuclear import in mammalian cells. More recently, sumo has been shown to be involved in the regulation of transcription factors, possibly by enhancing their interactions with co-repressors. Sumo is also thought to play some role in the modulation of ubiquitin-mediated degradation of proteins by acting as an inhibitor. At least four different isoforms of sumo are known to exist, Sumo antibody will only recognize isoform 1.

Gene ID: 7341

UniProt: [P63165](#)

Application Details

Application Notes: Sumo antibody can be used for detection of sumo by Western blot at 0.5 - 2 μ g/mL. Antibody can also be used for immunohistochemistry starting at 5 μ g/mL. For immunofluorescence start at 20 μ g/mL.

Antibody validated: Western Blot in human samples, Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Sumo Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: Sumo antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.