SUMO1 Antibody (R31344)

Catalog No.	Formulation	Size
R31344	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P63165
Applications	Western blot: 0.5-1ug/ml
Limitations	This SUMO1 antibody is available for research use only.



Western blot testing of SUMO1 antibody and Lane 1: rat spleen; 2: human placenta tissue lysate. Predicted molecular weight: 12-15 kDa

Description

Small ubiquitin-related modifier 1, also called SMT3C or PIC1 is a protein that in humans is encoded by the SUMO1 gene and a member of the SUMO (small ubiquitin-like modifier) protein family. It 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. SUMO1 is not active until the last four amino acids of the carboxy-terminus have been cleaved off. Several pseudogenes have been reported for this gene.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the SUMO1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of human Small ubiquitin-related modifier 1 (DKKEGEYIKLKVIGQD) was used as the immunogen for this SUMO1 antibody (100% homologous in human, mouse and rat).

Storage

After reconstitution, the SUMO1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.