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anti-SUMO1 antibody (AA 1-30)



Images



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Overview	
Quantity:	0.4 mL
Target:	SUM01
Binding Specificity:	AA 1-30
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SUMO1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (IHC)
Product Details	
Immunogen:	A portion of amino acids 1-30 from the human protein was used as the immunogen for this
	SUMO-1 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Bovine, Mouse, Pig, Rat
Purification:	Antigen affinity purified
Target Details	
- arget Details	
Target:	SUM01
Alternative Name:	SUMO-1 (SUMO1 Products)
Background:	This gene encodes a protein that is 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. It 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. Alternate transcriptional splice variants encoding different isoforms have been characterized.

UniProt:

P63165

Pathways:

M Phase, Positive Regulation of Endopeptidase Activity, Protein targeting to Nucleus, Ubiquitin Proteasome Pathway

Application Details

Application Notes:

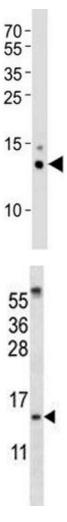
Titration of the SUMO-1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,Immunofluorescence: 1:10-1:50,IHC (Paraffin): 1:10-1:50

Restrictions:

For Research Use only

Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % 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
Storage Comment:	Aliquot the SUMO-1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Western Blotting

Image 1. Western blot analysis of lysate from mouse Neuro-2a cell line using SUMO-1 antibody at 1:1000 for each lane. Predicted molecular weight: 12-15 kDa

Western Blotting

Image 2. SUMO-1 antibody western blot analysis in ZR-75-1 lysate



Immunofluorescence

Image 3. Fluorescent image of A549 cell stained with SUMO-1 antibody at 1:25. SUMO1 immunoreactivity is localized to the nuclear membrane.

Please check the product details page for more images. Overall 6 images are available for ABIN3032639.