

Datasheet for ABIN3032642
anti-SUMO1 antibody



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3 Images

Overview

Quantity:	0.4 mL
Target:	SUMO1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SUMO1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Purified recombinant protein was used as immunogen for this SUMO1 antibody.
Clone:	66AT1273-94
Isotype:	IgG1
Purification:	Purified

Target Details

Target:	SUMO1
Alternative Name:	SUMO1 (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

Target Details

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.

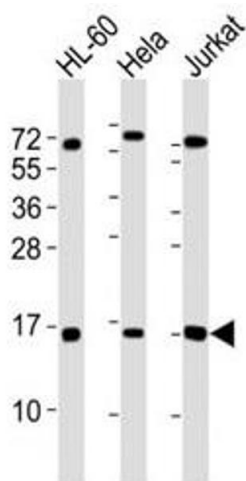
UniProt:	P63165
Pathways:	M Phase , Positive Regulation of Endopeptidase Activity , Protein targeting to Nucleus , Ubiquitin Proteasome Pathway

Application Details

Application Notes:	Titration of the SUMO1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:100-4000
Restrictions:	For Research Use only

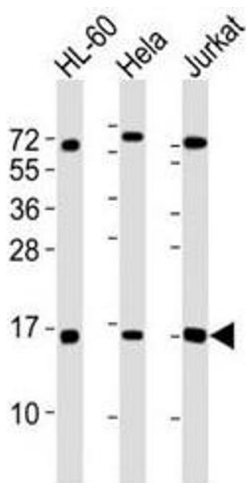
Handling

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 SUMO1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



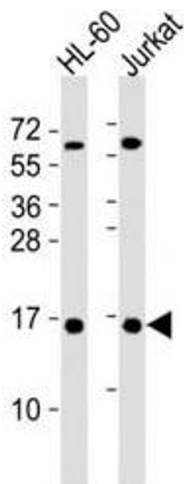
Western Blotting

Image 1. Western blot testing of SUMO1 antibody at 1:4000 dilution. Lane 1: HL-60 lysate



Western Blotting

Image 2. Western blot testing of SUMO1 antibody at 1:4000 dilution. Lane 1: HL-60 lysate; 2: HeLa lysate; 3: Jurkat lysate. Predicted molecular weight: 12-15 kDa



Western Blotting

Image 3. Western blot testing of SUMO1 antibody at 1:4000 dilution. Lane 1: HL-60 lysate; 2: Jurkat lysate