

**Cleaved-SUMO-2/3 (G93) Polyclonal Antibody**

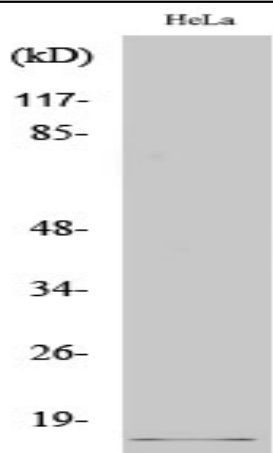
<b>Catalog No :</b>	YC0075
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;ELISA;CoIP
<b>Target :</b>	SUMO-2/3
<b>Fields :</b>	>>Nucleocytoplasmic transport;>>Fluid shear stress and atherosclerosis
<b>Gene Name :</b>	SUMO2 SUMO3
<b>Protein Name :</b>	Small ubiquitin-related modifier 2
<b>Human Gene Id :</b>	6613
<b>Human Swiss Prot No :</b>	P61956/P55854
<b>Mouse Gene Id :</b>	170930
<b>Mouse Swiss Prot No :</b>	P61957
<b>Rat Gene Id :</b>	690244
<b>Rat Swiss Prot No :</b>	P61959
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human SUMO2/3. AA range:44-93
<b>Specificity :</b>	Cleaved-SUMO-2/3 (G93) Polyclonal Antibody detects endogenous levels of fragment of activated SUMO-2/3 protein resulting from cleavage adjacent to G93.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:20000. IP 1:50-100 Not yet tested in other applications.

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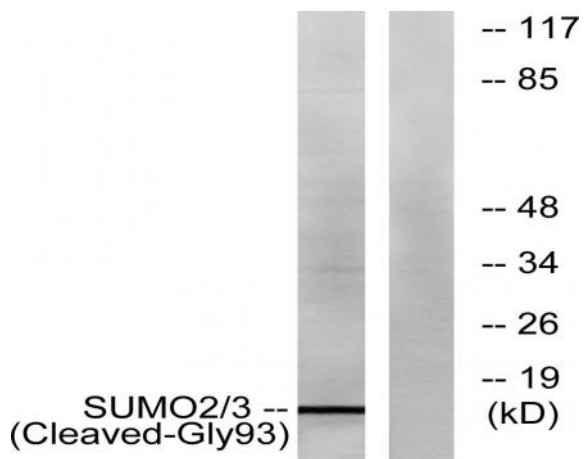
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	11kD
<b>Background :</b>	This gene 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 two amino acids of the carboxy-terminus have been cleaved off. Numerous pseudogenes have been reported for this gene. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008],
<b>Function :</b>	function:Ubiquitin-like protein which can be covalently attached to target lysines either as a monomer or as a lysine-linked polymer. Does not seem to be involved in protein degradation and may function as an antagonist of ubiquitin in the degradation process. Plays a role in a number of cellular processes such as nuclear transport, DNA replication and repair, mitosis and signal transduction. Covalent attachment to its substrates requires prior activation by the E1 complex SAE1-SAE2 and linkage to the E2 enzyme UBE2I, and can be promoted by an E3 ligase such as PIAS1-4, RANBP2 or CBX4.,online information:SUMO protein entry,PTM: Cleavage of precursor form by SENP1 or SENP2 is necessary for function.,PTM: Cleavage of precursor form by SENP1, SENP2 or SENP5 is necessary for function.,PTM: Polymeric chains can be formed through Lys-11 cross-linking.,similarity: Belongs to the ubiquitin family. S
<b>Subcellular Location :</b>	Nucleus. Nucleus, PML body.
<b>Expression :</b>	Broadly expressed.

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## Products Images



Western Blot analysis of various cells using Cleaved-SUMO-2/3 (G93) Polyclonal Antibody



Western blot analysis of lysates from HeLa cells, using SUMO2/3 (Cleaved-Gly93) Antibody. The lane on the right is blocked with the synthesized peptide.