

产品名称: Cleaved-SUMO-2/3 (G93) Rabbit Polyclonal Antibody
产品货号: APRab09030



产品概述 (Summary)

产品名称 (Production Name)	Cleaved-SUMO-2/3 (G93) Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA,IP
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	SUMO2 SUMO3
别名 (Alternative Names)	SUMO2; SMT3A; SMT3H2; Small ubiquitin-related modifier 2; SUMO-2; HSMT3; SMT3 homolog 2; SUMO-3; Sentrin-2; Ubiquitin-like protein SMT3A; Smt3A
基因 ID (Gene ID)	6613.0
蛋白 ID (SwissProt ID)	P61956/P55854.The antiserum was produced against synthesized peptide derived from human SUMO2/3. AA range:44-93

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:10000-1:20000,IP 1:50-1:100
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蛋白分子量 (Molecular Weight) 11kDa

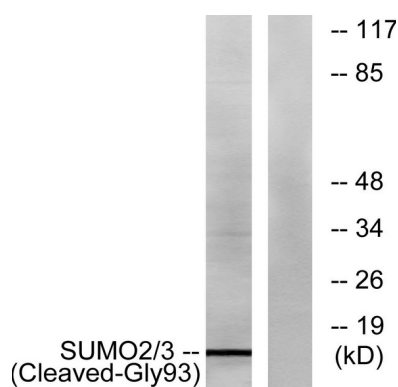
研究背景 (Background)

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 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],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. SUMO subfamily.,similarity:Contains 1 ubiquitin-like domain.,subcellular location:Nuclear bodies.,subunit:Homotrimer (Potential). Crystal packing analysis suggests a possible trimeric assembly, of which the biological significance remains to be determined. Interacts with SAE2 and UBE2I. Covalently attached to a number of proteins. Interacts with PELP1.,subunit:Interacts with SAE2 and UBE2I. Covalently attached to a number of proteins.,tissue specificity:Broadly expressed.,tissue specificity:Expressed predominantly in liver.,

研究领域 (Research Area)

Cell Biology

图片 (Image Data)



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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.



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

注意事项 (Note)

For research use only .