SUMO2 Polyclonal Antibody

货号	YP-Ab-18045
同位型	IgG
应用	WB;IHC;IF;ELISA
种属	Human;Mouse;Rat
靶点	SUMO2
简介	>>Nucleocytoplasmic transport;>>Fluid shear stress and atherosclerosis
基因名称	SUMO2 SMT3A SMT3H2
蛋白名称	SUMO2
免疫原	Synthesized peptide derived from human SUMO2 AA range: 45-95
特异性	This antibody detects endogenous levels of human SUMO2
组成	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
来源	Polyclonal, Rabbit,IgG
稀释	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:5000. Not yet tested in other applications.
纯化工艺	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
其他名称	Small ubiquitin-related modifier 2 (SUMO-2;HSMT3;SMT3 homolog 2;SUMO-3;Sentrin-2;Ubiquitin-like protein SMT3A;Smt3A)
分子量	11kD
功能	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],
背景	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

细胞定位	Nucleus. Nucleus, PML body.
组织表达	Broadly expressed.
浓度	1 mg/ml
储存	-15°C to -25°C/1 year(Do not lower than -25°C)
有关注意事项	Avoid repeated freezing and thawing!
使用建议	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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