

产品名称: SUMO2 Mouse Monoclonal Antibody
产品货号: AMM85947



产品概述 (Summary)

产品名称 (Production Name)	SUMO2 Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB, ICC
种属反应性 (Reactivity)	Human, Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG2b
克隆 (Clonality)	Monoclonal
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)	Purified antibody in TBS with 0.05% sodium azide.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	SUMO2 Small ubiquitin-related modifier 2, SUMO-2, HSMT3, SMT3 homolog 2 {ECO:0000312 HGNC:HGNC:11125}, SUMO-3, Sentrin-2, Ubiquitin-like protein
别名 (Alternative Names)	SMT3B, Smt3B, SUMO2 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=11125 target="_blank">HGNC:11125)
基因 ID (Gene ID)	6613.0
蛋白 ID (SwissProt ID)	P61956. Purified His-tagged SUMO2 protein was used to produce this monoclonal antibody.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000, ICC 1:25-1:50
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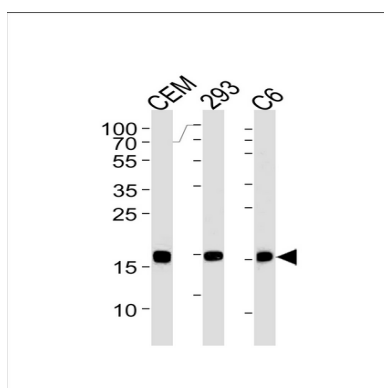
蛋白分子量 (Molecular Weight) 10.9kDa

研究背景 (Background)

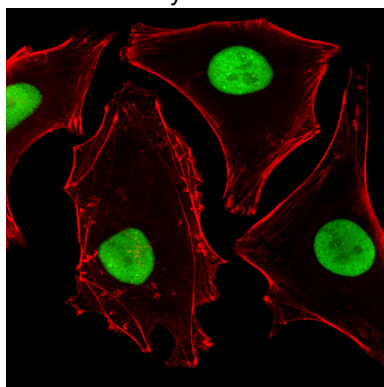
Ubiquitin-like protein that can be covalently attached to proteins as a monomer or as a lysine-linked polymer. Covalent attachment via an isopeptide bond to its substrates requires prior activation by the E1 complex SAE1-SAE2 and linkage to the E2 enzyme UBE2I, and can be promoted by an E3 ligase such as PIAS1-4, RANBP2 or CBX4. This post-translational modification on lysine residues of proteins plays a crucial role in a number of cellular processes such as nuclear transport, DNA replication and repair, mitosis and signal transduction. Polymeric SUMO2 chains are also susceptible to polyubiquitination which functions as a signal for proteasomal degradation of modified proteins.

研究领域 (Research Area)

图片 (Image Data)



SUMO2 Antibody (C-term)(Cat. #AMM85947) western blot analysis in CEM,293, rat C6 cell line lysates (35µg/lane). This demonstrates the SUMO2 antibody detected the SUMO2 protein (arrow).



Fluorescent image of HeLa cells stained with SUMO2 Antibody (C-term)(Cat#AMM85947). AMM85947 was diluted at 1:25 dilution. An Alexa Fluor® 488-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).

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注意事项 (Note)

For research use only .