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SUMO2/3 (YD32421) Rabbit mAb

货号: AYD11142

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB IHC ICC/IF
推荐浓度	**WB: 1:1000-1:5000:** **IHC-P: 1:100-1:300:** **ICC/IF: 1:100-1:500:**
理论分子量	11,16 kDa
实测分子量	16 kDa
形式	Liquid
保存条件	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	无明确组织表达
细胞定位	Nucleus, PML body, Cytoplasm
纯化	亲和纯化

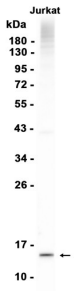
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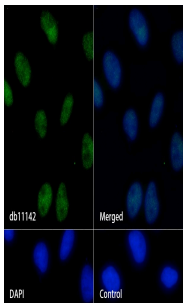
靶点信息

研究背景	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, CBX4 or ZNF451 (PubMed:26524494). 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 (PubMed:18408734, PubMed:18538659, PubMed:21965678, PubMed:9556629). Plays a role in the regulation of sumoylation status of SETX (PubMed:24105744) 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 (PubMed:11451954, PubMed:18538659, PubMed:21965678). Plays a role in the regulation of sumoylation status of SETX (PubMed:24105744)
基因ID	6613, 6612
基因名	SUMO2, SUMO3
Swiss	P61956 (https://www.uniprot.org/uniprotkb/P61956/entry), P55854 (https://www.uniprot.org/uniprotkb/P55854/entry)
别名	SUMO2/3 (YD32421),SUMO2/3 (YD32421) Rabbit mAb,SUMO2,SUMO3,HSMT3,SMT3 homolog 2,SUMO-3,Sentrin-2,Ubiquitin-like protein SMT3B,SMT3 homolog 1,SUMO-2,Ubiquitin-like protein SMT3A,SMT3B,SMT3A

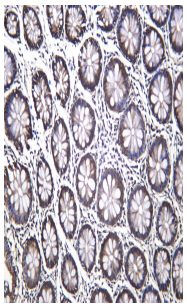
产品验证



Western blot analysis of extracts from Jurkat cells using AYD11142 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling Sumo-2/3 with AYD11142 The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with AYD11142 (1:200) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 . Nuclear DNA was labeled in blue with DAPI.



Human colon was stained with anti-SUMO 2/3 Rabbit antibody，1：200

实验步骤

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