

## Anti-SUMO-1 Rabbit pAb



WL01499

For Research Use Only. Not For Use In Diagnostic Procedures

## Product Information

<b>Product name</b>	Anti-SUMO-1 Rabbit pAb
<b>Source</b>	Rabbit
<b>Species reactivity</b>	Human
<b>Tested applications</b>	Western blot 1:500-1:1000 <i>*Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.</i>
<b>Molecular Wt.</b>	Predicted band size : 12kDa Observed band size : 17kDa
<b>Pack size</b>	50/100/200/500/1000µl
<b>Storage</b>	Store at -20°C. <b>Avoid freeze/thaw cycles.</b>
<b>Storage buffer</b>	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide

## General Information

<b>Background</b>	The small ubiquitin-related modifier (SUMO) proteins, which include SUMO-1, SUMO-2 and SUMO-3, belong to the ubiquitin-like protein family. SUMO-1 utilizes Ubc9 for conjugation to several target proteins, which include IκBα, MDM2, p53, PML and Ran GAP1. SUMO-2 and SUMO-3 contribute to a greater percentage of protein modification than does SUMO-1, and unlike SUMO-1, they can form polymeric chains. In addition, SUMO-3 regulates b-Amyloid generation and may be critical in the onset or progression of Alzheimer's disease. SUMO-1 is not active until the last four amino acids of the carboxy-terminus have been cleaved off. Several pseudogenes have been reported for this gene.
<b>Immunogen</b>	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of SUMO-1.
<b>Purification</b>	Polyclonal antibody was purified by immunogen affinity chromatography.

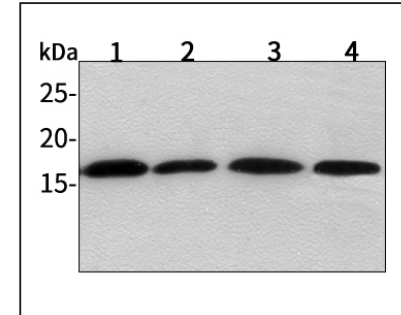
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## Product Images



## Western blot-Anti-SUMO-1 pAb

Lane 1: Human HepG2 cell lysate 30µg  
 Lane 2: Human Hela cell lysate 30µg  
 Lane 3: Human BGC-823 cell lysate 30µg  
 Lane 4: Human MGC-803 cell lysate 30µg  
 Separation gel: 15% polyacrylamide  
 Electrophoresis: 100V, 4°C, 3h  
 Transmembrane: 100V, 4°C, 1h  
 Blocking: 5% w/v nonfat dry milk, 1× TBST, at RT with gentle shaking  
 Primary antibody: 1:1000 in blocking buffer, 4°C, overnight  
 Visualization: ECL, 30s-2min