

# Cleaved-SUMO-2/3 (G93) Polyclonal Antibody

Catalog # AP63150

## Product Information

|                   |                        |
|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">P61956</a> |
| Reactivity        | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 10871                  |

## Additional Information

|                    |   |
|--------------------|---|
| Gene ID            | 6613  |
| Other Names        | SUMO2; SMT3A; SMT3H2; Small ubiquitin-related modifier 2; SUMO-2; HSMT3; SMT3 homolog 2; SUMO-3; Sentrin-2; Ubiquitin-like protein SMT3A; Smt3A |
| Dilution           | WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.   |
| Format             | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.   |
| Storage Conditions | -20°C   |

## Protein Information

|                   |   |
|-------------------|---|
| Name              | SUMO2 ( <a href="#">HGNC:11125</a> )  |
| Function          | 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: <a href="#">26524494</a> ). 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: <a href="#">18408734</a> , PubMed: <a href="#">18538659</a> , PubMed: <a href="#">21965678</a> , PubMed: <a href="#">9556629</a> ). Plays a role in the regulation of sumoylation status of SETX (PubMed: <a href="#">24105744</a> ). |
| Cellular Location | Nucleus. Nucleus, PML body.   |
| Tissue Location   | Broadly expressed..   |

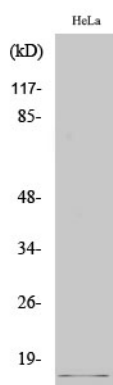
## Background

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## Images

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.