

SUMO2 + SUMO3 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS14577**Specification**

SUMO2 + SUMO3 Antibody - Product Information

Application	IHC, WB
Primary Accession	P61956
Other Accession	P55854
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal

SUMO2 + SUMO3 Antibody - Additional Information**Gene ID** 6613**Other Names**

Small ubiquitin-related modifier 2, SUMO-2, HSMT3, SMT3 homolog 2
{ECO:0000312|HGNC:HGNC:11125}, SUMO-3, Sentrin-2, Ubiquitin-like protein SMT3B, Smt3B,
SUMO2 (HGNC:11125)

Target/Specificity

Synthetic peptide corresponding to human SUMO2/3. Cross reacts with mouse SUMO2/3. The peptides used to generate this antibody correspond to amino acids 4-16 of human Sumo2/3 and amino acids 61 to 76 of Sumo2 (aa 60-75 of Sumo 3).

Reconstitution & Storage

Long term: -20°C; Short term: +4°C; Avoid freeze-thaw cycles.

Precautions

SUMO2 + SUMO3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

SUMO2 + SUMO3 Antibody - Protein Information**Name** SUMO2 ([HGNC:11125](#))**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: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).

Cellular Location

Nucleus. Nucleus, PML body.

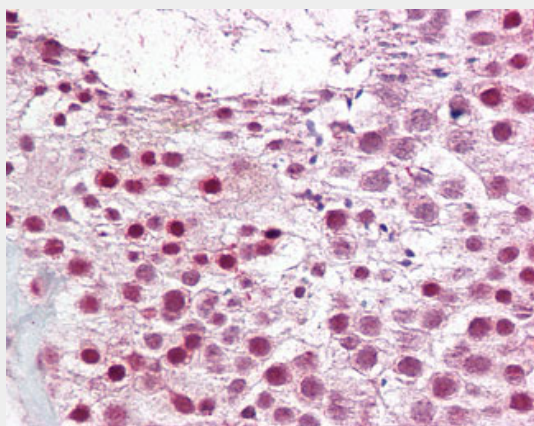
Tissue Location

Broadly expressed..

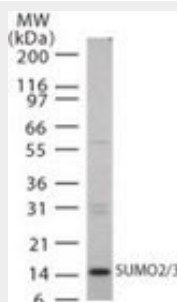
SUMO2 + SUMO3 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SUMO2 + SUMO3 Antibody - Images

Anti-SUMO2/3 antibody IHC of human testis.



Western blot analysis with 15 ugs of HL60 cell lysate using SUMO2 antibody at 1 ug/ml.