

---

**Product Name: SUMO2/3 (3F7) Mouse Monoclonal Antibody****Catalog #: AMM03691**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG2b
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000
<b>Molecular Weight</b>	Calculated MW: 11 kDa; Observed MW: Refer to figures

**Antigen Information**

<b>Gene Name</b>	SUMO2/SUMO3
<b>Alternative Names</b>	SUMO2; HSMT3; SMT3 homolog 2; SMT3A; Sentrin 2; Smt3B; SMT3H2; SUMO-2; SUMO-3; Sentrin-2; Ubiquitin-like protein SMT3A; Ubiquitin-like protein SMT3B
<b>Gene ID</b>	6613/6612
<b>SwissProt ID</b>	P61956/P55854
<b>Immunogen</b>	

**Background**

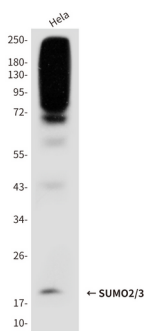
SUMO proteins, such as Sumo 2 and Sumo 3, post-translationally modify numerous cellular proteins and affect their

metabolism and function. However, unlike ubiquitination, which targets proteins for degradation, sumoylation participates in a number of cellular processes, such as nuclear transport, transcriptional regulation, apoptosis, and protein stability. Sumo 2 and Sumo 3 are highly homologous, hence it is very difficult to produce antibodies which distinguish them.

## Research Area

Cell Biology

## Image Data



Western blot analysis of SUMO2/3 in HeLa lysates using SUMO2/3 antibody.