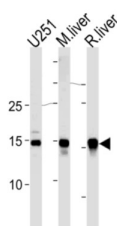
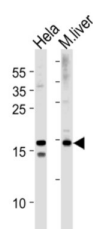
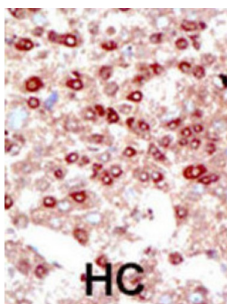


Small Ubiquitin-Related Modifier 2/3 (SUMO2/3) Antibody

Catalogue No.: abx026683



SUMO2 and SUMO3 are members of the SUMO (small ubiquitin-like modifier) protein family. This protein family functions in a manner similar to ubiquitin in that it is bound to target proteins as part of a post-translational modification system. However, unlike ubiquitin which targets proteins for degradation, this protein is involved in a variety of cellular processes, such as nuclear transport, transcriptional regulation, apoptosis, and protein stability. In vertebrates, three members of the SUMO family have been described, SUMO 1 and the functionally distinct homologues SUMO 2 and SUMO 3. SUMO modification sites present in the N terminal regions of SUMO 2 and SUMO 3 are utilized by SAE1/SAE2 (SUMO E1) and Ubc9 (SUMO E2) to form polymeric chains of SUMO 2 and SUMO 3 on protein substrates, a property not shared by SUMO 1.

Target: Small Ubiquitin-Related Modifier 2/3 (SUMO2/3)

Clonality: Polyclonal

Reactivity: Human, Mouse, Rat

Tested Applications: ELISA, WB, IHC, IF/ICC

Datasheet

Version: 3.0.0
Revision date: 16 Mar 2025



Host:	Rabbit
Recommended dilutions:	WB: 1/2000, IHC-P: 1/50 - 1/100, IF/ICC: 1/100. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	KLH-conjugated synthetic peptide between 49-81 amino acids from the C-terminal region of human SUMO2/3.
Isotype:	IgG
Form:	Liquid
Purification:	Purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P55854 (UniProt , ExPASy)
NCBI Accession:	NP_008867.2
KEGG:	hsa:6612
Molecular Weight:	Calculated MW: 11.6 kDa
Buffer:	PBS containing 0.09% sodium azide.
Specificity:	Predicted to react with Cow, Pig, Hamster, Monkey, Zebrafish and Xenopus SUMO3.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.