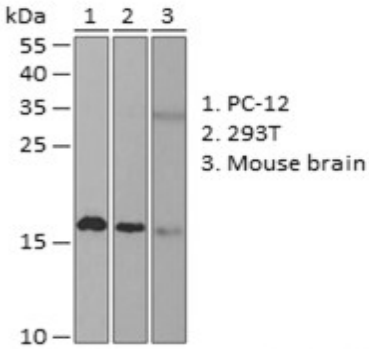
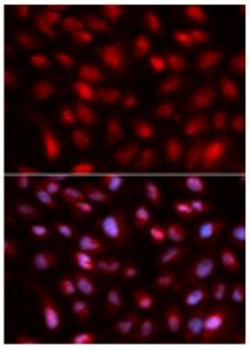
Product Name:	SUMO2 Rabbit pAb
Catalog #:	Y3712-20; Y3712-100
Also Known As:	SUMO2; HSMT3; SMT3B; SMT3H2; SUMO3; Smt3A
Quantity:	20 µl for Y3712-20; 100 µl for Y3712-100
Concentration:	See labels on tube
Host Species:	Rabbit
Isotype:	IgG
Reactivity:	Human, Mouse, Rat
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-95 of human SUMO2 (NP_008868.3).
Swiss Prot. #:	P61956
Calculated MW:	11 kDa
Detected MW:	16 kDa
Applications:	WB (1:500 - 1:2,000) IF (1:50 - 1:200) IP (not tested) IHC (not tested) Note: Antibody dilution should be optimized by users.

Images:



Immunoblotting 25 µg whole cell extracts of various cell lines using SUMO2 antibody (Y3712) at 1:1,000 dilution.



Immunofluorescence of U2OS cells using SUMO2 antibody (Y3712) at 1:100 dilution. Blue: DAPI nuclear staining.

Purification:	Protein A or G affinity purification
Buffer:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Storage:	Store at -20°C. Centrifuge to maximize product recovery.
Background:	SUMO2 is a member of the small ubiquitin-related modifier (SUMO) family. There are four confirmed SUMO isoforms in humans: SUMO1, SUMO2, SUMO3 and SUMO4. SUMOylation is a post-translational modification involved in various cellular processes, such as nuclear-cytosolic transport, transcriptional regulation, apoptosis, protein stability, response to stress, and progression through the cell cycle. Polymeric SUMO2 chains are susceptible to polyubiquitination which functions as a signal for proteasomal degradation of modified proteins.
Reference:	1. Kamitani T, et al. (1998) J Biol Chem 273, 11349 - 11353. 2. Su HL, et al. (2002) Gene 296, 65 - 73.
Note:	This product is for research use only.