G-Biosciences Image not found or type unknown

Immunotag™ Sumo1 Antibody

Antibody Specification

Catalog No.	ITA0217
Product Description	Immunotag™ Sumo1 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Sumo1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB: 1:500~1:3000 IHC: 1:50~1:200 IF/ICC: 1:100~1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human Sumo1
Specificity	Sumo1 antibody detects endogenous levels of total Sumo1
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	SUMO1
Accession No.	P63165

Antibody Specification

Alternate Names	DAP1; GAP modifying protein 1; GAP-modifying protein 1; GMP 1; GMP1; OFC10; PIC 1; PIC1; SENP2; Sentrin 1; Sentrin; Small ubiquitin related modifier 1; Small ubiquitin-like modifier 1; Small ubiquitin-related modifier 1; SMT3; SMT3 homolog 3; SMT3 suppressor of mif two 3 homolog 1; SMT3, yeast, homolog 3; Smt3C; SMT3H3; SUMO-1; SUMO1; SUMO1_HUMAN; Ubiquitin homology domain protein PIC1; Ubiquitin Like 1; Ubiquitin like protein SMT3C; Ubiquitin like protein UBL1; Ubiquitin-homology domain protein PIC1; Ubiquitin-like protein SMT3C; Ubiquitin-like protein UBL1; UBL 1; UBL1;
Description	Ubiquitin-like protein that can be covalently attached to proteins as a monomer or 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 E3 ligases such as PIAS1-4, RANBP2 or CBX4. 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. Involved for instance in targeting RANGAP1 to the nuclear pore complex protein RANBP2. Covalently attached to the voltage-gated potassium channel KCNB1; this modulates the gating characteristics of KCNB1 (PubMed:19223394). Polymeric SUMO1 chains are also susceptible to polyubiquitination which functions as a signal for proteasomal degradation of modified proteins. May also regulate a network of genes involved in palate development. Covalently attached to ZFHX3 (PubMed:24651376).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	12kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.