

For Research Use Only

SUMO1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87942-1-PBS



Basic Information

Catalog Number: 87942-1-PBS	GenBank Accession Number: BC006462	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 7341	CloneNo.: 253578A9
Isotype: IgG	UNIPROT ID: P63165	
Immunogen Catalog Number: AG0414	Full Name: SMT3 suppressor of mif two 3 homolog 1 (S. cerevisiae)	
	Calculated MW: 12 kDa	
	Observed MW: 12~18 kDa, 80-90 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

Ubiquitin is most famous for its function in targeting proteins for degradation by the 26S proteasome, ubiquitin needs to be attached to a substrate in chains (polyubiquitylation) before being recognized by proteasome. Similarly, SUMO (small ubiquitin-related modifier) can be linked to substrates in chains (polysumoylation), SUMO modification has been implicated in many important cellular processes including the control of genome stability, signal transduction, targeting to and formation of nuclear compartments, cell cycle and meiosis. There are 4 confirmed SUMO isoforms in human, SUMO-1, SUMO-2, SUMO-3 and SUMO-4. SUMO-2 and SUMO-3 are nearly identical but are distinct from SUMO-1. SUMO2/3 conjugation was recently widely involved in neuroprotective activities. A substitution (M55V) of SUMO4 was strongly associated with the pathogenesis of type 1 diabetes (T1D) involving NF kappa B related mechanisms. This antibody can detect endogenous levels of SUMOylated proteins (e.g. SUMO-1-RanGAP at 80-90 kD).

Storage

Storage:
Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

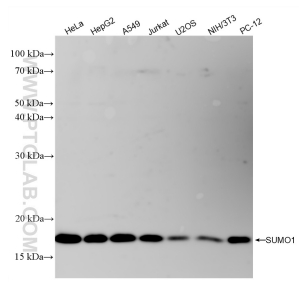
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87942-1-RR (SUMO1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87942-1-PBS in a different storage buffer formulation.