



Anti-SUMO3 monoclonal antibody, clone BU21G2 (DCABH-33)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to Sumo 2+3
Antigen Description	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.
Immunogen	Recombinant Human Sumo 2 (1-93aa; MADEKPKEGV KTENNDHINL KVAGQDGSVV QFKIKRHTPL SKLMKAYCER QGLSMRQIRF RFDGQPINET DTPAQLEMED EDTIDVFQQQ TGG) purified from E. coli.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	BU21G2
Conjugate	Unconjugated
Applications	WB, ELISA, ICC/IF, IHC-P
Positive Control	HeLa cell lysate; Recombinant Sumo 2 or Sumo 3 protein; HeLa cells
Format	Liquid
Size	50 µl
Buffer	Preservative: 0.1% Sodium Azide; Constituents: PBS, pH 7.4

Preservative	0.1% Sodium Azide
Storage	store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Ship	Shipped at 4°C.

GENE INFORMATION

Gene Name	SUMO3 SMT3 suppressor of mif two 3 homolog 3 (S. cerevisiae) [Homo sapiens]
Official Symbol	SUMO3
Synonyms	SUMO3; SMT3 suppressor of mif two 3 homolog 3 (S. cerevisiae); SMT3 (suppressor of mif two 3, yeast) homolog 1 , SMT3 suppressor of mif two 3 homolog 3 (yeast) , SMT3H1; small ubiquitin-related modifier 3; SMT3A; SUMO-2; SMT3 homolog 1; ubiquitin-like pr
Entrez Gene ID	6612
Protein Refseq	NP_008867
UniProt ID	P55854
Chromosome Location	21q22.3
Pathway	Diurnally regulated genes with circadian orthologs, organism-specific biosystem; Nuclear pore complex, organism-specific biosystem; RNA transport, organism-specific biosystem; RNA transport, conserved biosystem;
Function	SUMO ligase activity; protein binding;