SUMO2/SUMO3 monoclonal antibody, clone IBG-19

Catalog # MAB20758 Size 100 uL

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human SUMO2/SUMO3.
Immunogen	A synthetic peptide corresponding to human SUMO2/SUMO3.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry
- Immunocytochemistry

- Immunofluorescence

Gene Info — SUMO3

Entrez GeneID	6612
Protein Accession#	P61956;P55854
Gene Name	SUMO3
Gene Alias	SMT3A, SMT3H1, SUMO-3
Gene Description	SMT3 suppressor of mif two 3 homolog 3 (S. cerevisiae)
Omim ID	602231
Gene Ontology	Hyperlink
Gene Summary	SUMO proteins, such as SUMO3, and ubiquitin (see MIM 191339) posttranslationally 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 (Su and Li, 2002 [PubMed 12383504]).[supplied by OMIM
Other Designations	OTTHUMP00000115275|SMT3 suppressor of mif two 3 homolog 1|small ubiquitin-like modifier protein 3

Gene Info — SUMO2

Entrez GeneID	6613
Protein Accession#	P61956;P55854
Gene Name	SUMO2
Gene Alias	HSMT3, MGC117191, SMT3B, SMT3H2
Gene Description	SMT3 suppressor of mif two 3 homolog 2 (S. cerevisiae)
Omim ID	603042
Gene Ontology	Hyperlink

Gene Summary	This gene encodes a protein that is a member of the SUMO (small ubiquitin-like modifier) protein family. It 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. It is not active until the last two amino acids of the carboxy-terminus have been cleaved off. Numerous pseudogenes have been reported for this gene. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq
Other Designations	SMT3 suppressor of mif two 3 homolog 2|sentrin 2|small ubiquitin-like modifier 2, isoform a

Disease

- Adenocarcinoma
- Genetic Predisposition to Disease
- Kidney Failure
- Pancreatic Neoplasms