

SUMO-1 Monoclonal Antibody

1; SUMO-1; GAP-modifying protein 1; GMP1; SMT3 homolog 3; Sentrin; Ubiquitin-homology domain protein PIC1; Ubiquitin-like protein SMT3C; Smt3C Ubiquitin-like protein 12kD Nucleus membrane . Nucleus speckle . Cytoplasm . Nucleus, PML body . Cell membrane . Nucleus . Recruited by BCL11A into the nuclear body (By similarity In the presence of ZFHX3, sequesterd to nuclear body (NB)-like dots in the nucleus some of which overlap or closely associate with PML body (PubMed:24651376) Tissue Specificity Brain,Colon adenocarcinoma,Epithelium,Placenta, caution:The sequence shown here is derived from an Ensembl automatic analypipeline and should be considered as preliminary data.,function:Ubiquitin-like protein which can be covalently attached to target lysines as a monomer. Does not seem to be involved in protein degradation and may function as an antagon of ubiquitin in the degradation process. Plays a role in a number of cellular processes such as nuclear transport, DNA replication and repair, mitosis and signal transduction. Involved in targeting RANGAP1 to the nuclear pore complete.		
Reactivity Human;Mouse;Rat Applications WB Gene Name SUMO1 Protein Name Small ubiquitin-related modifier 1 Immunogen The antiserum was produced against synthesized peptide derived from human Sumo1. AA range:1-50 Specificity SUMO-1 Monoclonal Antibody detects endogenous levels of SUMO-1 protein. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Monoclonal, Mouse,IgG Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-1:2000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms SUMO1; SMT3C; SMT3H3; UBL1; OK/SW-cl.43; Small ubiquitin-related modifinity: SUMO-1; GAP-modifying protein 1; GMP1; SMT3 homolog 3; Sentrin; Ubiquitin-like protein Observed Band 12kD Cell Pathway Nucleus membrane. Nucleus speckle. Cytoplasm. Nucleus, PML body. Cell membrane. Nucleus. Recruited by BCL 11A into the nuclear body (RB) similarity in the presence of ZFNA3, sequesterd to nuclear body (RB) similarity in the persence of ZFNA3, sequesterd to nuclear body (RB) similarity in the persence of ZFNA3, sequesterd to nuclear body (RB) similarity in the persence of ZF	Catalog No	YP-mAb-02789
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by the E1 complex SAE1-SAE2 and linkage to the E2 enzyme UBE2I, and can be promoted by an E3 ligase such as PIAS1-4, RANBP2 or CBX4.,online information:SUMO protein entry,PTM:Cleavage of precursor form by SENP1 or SENP2 is necessary for function.,similarity:Belongs to t

Background

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 four amino acids of the carboxy-terminus have been cleaved off. Several pseudogenes have been reported for this gene. Alternate transcriptional splice variants encoding different isoforms have been characterized. [provided by RefSeq, Jul 2008],

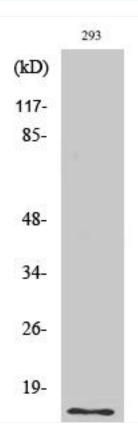
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.





Western Blot analysis of various cells using SUMO-1 Monoclonal Antibody