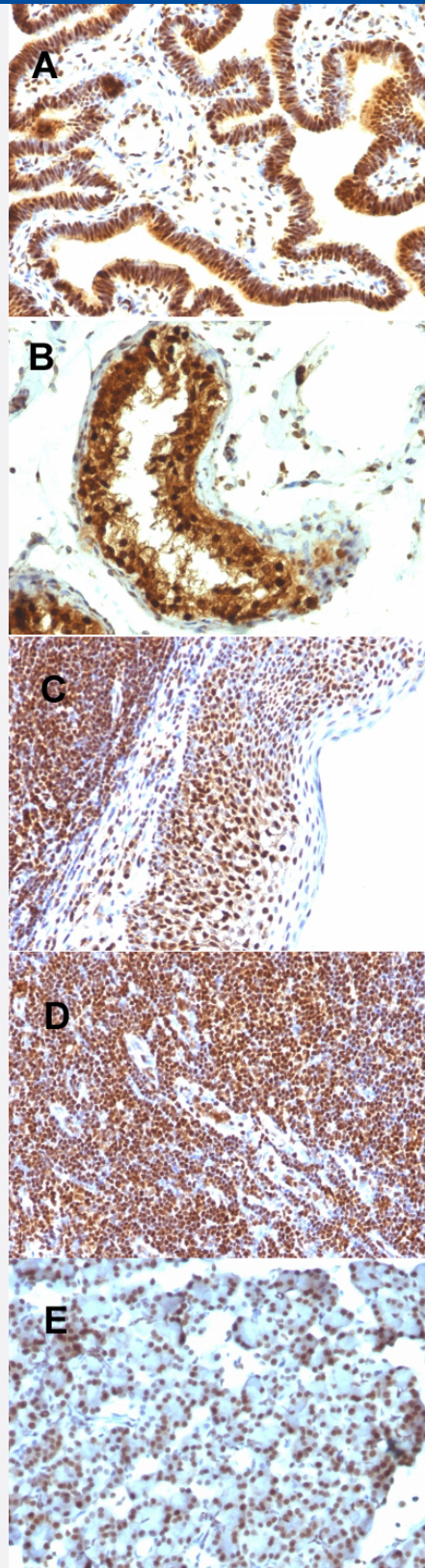


SUMO1 monoclonal antibody, clone SUMO1/1188

Catalog # MAB14625 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of (A) human ovarian carcinoma (B) human testicular carcinoma (C)(D) human tonsil and (E) rat pancreas with SUMO1 monoclonal antibody, clone SUMO1/1188 (Cat # MAB14625).

Specification

Product Description Mouse monoclonal antibody raised against full length recombinant human SUMO1.

Immunogen Recombinant protein corresponding to full length human SUMO1.

Host	Mouse
Theoretical MW (kDa)	11.5, 90
Reactivity	Human, Rat
Specificity	This antibody is specific to SUMO1 and shows no cross-reaction with either SUMO2 or SUMO3.
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/million cells in 0.1 mL) Immunofluorescence (0.5-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS.
Storage Instruction	Store at -20 to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of (A) human ovarian carcinoma (B) human testicular carcinoma (C)(D) human tonsil and (E) rat pancreas with SUMO1 monoclonal antibody, clone SUMO1/1188 (Cat # MAB14625).
- Immunofluorescence
- Flow Cytometry

Gene Info — SUMO1

Entrez GeneID	7341
Protein Accession#	P63165
Gene Name	SUMO1

Gene Alias	DAP-1, GMP1, OFC10, PIC1, SENP2, SMT3, SMT3C, SMT3H3, SUMO-1, UBL1
Gene Description	SMT3 suppressor of mif two 3 homolog 1 (S. cerevisiae)
Omim ID	601912
Gene Ontology	Hyperlink
Gene Summary	<p>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]</p>
Other Designations	GAP modifying protein 1 SMT3 suppressor of mif two 3 homolog 1 sentrin ubiquitin-like 1 (sentrin)

Disease

- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Tooth Abnormalities](#)