

Anti-SUMO2/SUMO3/SUMO4 antibody

Cat. No.	ml160378
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-SUMO2/SUMO3/SUMO4 rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Synthetic peptide of human SUMO2/SUMO3/SUMO4
Reactivity	Human, Mouse
Content	0.4 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	SUMO2/SUMO3/SUMO4
Full name	SMT3 suppressor of mif two 3 homolog 2/3/4 (<i>S. cerevisiae</i>)
Synonyms	SMT3A, Smt3B, SMT3H1, SUMO-3; HSMT3, SMT3B, SUMO3, Smt3A, SMT3H2; IDDM5, SMT3H4, SUMO-4, dJ281H8.4
Swissprot	P61956/P55854/Q6EEV6

Target 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 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.

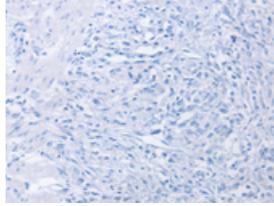
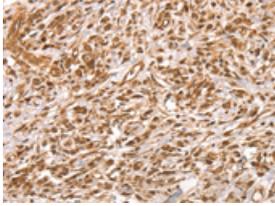
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm, Nucleus

Positive control: Human colon cancer

Recommended dilution: 100-300

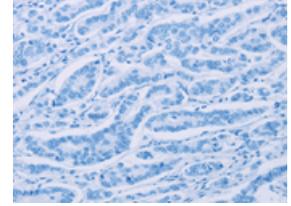
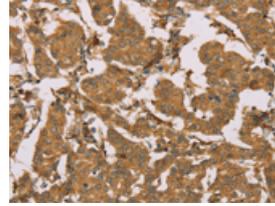


The image on the left is immunohistochemistry of paraffin-embedded Human colon cancer tissue using ml160378(SUMO2/SUMO3/SUMO4 Antibody) at dilution 1/100, on the right is treated with synthetic peptide. (Original magnification: ×200)

Predicted cell location: Cytoplasm, Nucleus

Positive control: Human thyroid cancer

Recommended dilution: 100-300



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml160378(SUMO2/SUMO3/SUMO4 Antibody) at dilution 1/100, on the right is treated with synthetic peptide. (Original magnification: ×200)

Western blotting

Predicted band size: 12 kDa

Positive control: Human ovarian cancer tissue and SKOV3 cells

Recommended dilution: 500-2000

Gel: 12+15% SDS-PAGE

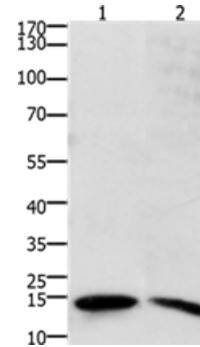
Lysate: 40 µg

Lane 1-2: Human ovarian cancer tissue, SKOV3 cells

Primary antibody: ml160378(SUMO2/SUMO3/SUMO4 Antibody) at dilution 1/800

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 10 seconds



ELISA

Recommended dilution: 1000-5000

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