

Datasheet for ABIN7169885
anti-SUMO2 antibody (AA 1-84)



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1 Image

Overview

Quantity:	100 µg
Target:	SUMO2
Binding Specificity:	AA 1-84
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SUMO2 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Small ubiquitin-related modifier 2 protein (1-84AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	SUMO2
Alternative Name:	SUMO2 (SUMO2 Products)
Background:	Background: Ubiquitin-like protein that can be covalently attached to proteins as a monomer or as a lysine-linked polymer. Covalent attachment via an isopeptide bond to its substrates

Target Details

requires prior activation 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, CBX4 or ZNF451 (PubMed:26524494). This post-translational modification on lysine residues of proteins plays a crucial role in a number of cellular processes such as nuclear transport, DNA replication and repair, mitosis and signal transduction. Polymeric SUMO2 chains are also susceptible to polyubiquitination which functions as a signal for proteasomal degradation of modified proteins (PubMed:18408734, PubMed:18538659, PubMed:21965678, PubMed:9556629). Plays a role in the regulation of sumoylation status of SETX (PubMed:24105744).

Aliases: HSMT 3 antibody, HSMT3 antibody, MGC117191 antibody, Sentrin 2 antibody, Sentrin-2 antibody, Sentrin2 antibody, Small ubiquitin like modifier 2 antibody, Small ubiquitin related modifier 2 antibody, Small ubiquitin-related modifier 2 antibody, SMT 3B antibody, SMT3 homolog 2 antibody, SMT3 suppressor of mif two 3 homolog 2 antibody, SMT3 suppressor of mif two 3 homolog 2 (S. cerevisiae) antibody, SMT3, yeast, homolog 2 antibody, Smt3A antibody, SMT3B antibody, SMT3H2 antibody, SUMO-2 antibody, SUMO-3 antibody, SUMO2 antibody, SUMO2_HUMAN antibody, Sumo3 antibody, Ubiquitin like protein SMT3B antibody, Ubiquitin-like protein SMT3A antibody

UniProt: [P61956](#)

Pathways: [Methionine Biosynthetic Process](#)

Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

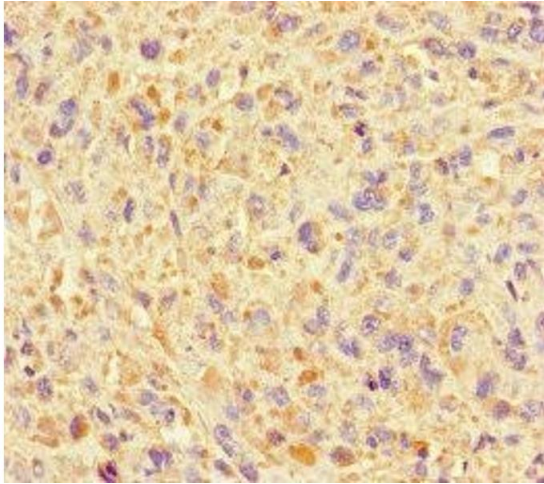
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human melanoma using ABIN7169885 at dilution of 1:100