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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Small ubiquitin-related modifier 1 (SUMO-1). Rabbit Polyclonal Antibody

BACKGROUND

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 antagonist 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 complex protein RANBP2. Covalent attachment to its substrates requires prior activation by the E1 complex SAE1-SAE2 and linkage to the E2 enzyme UBE2L, and can be promoted by an E3 ligase such as PIAS1-4, RANBP2 or CBX4

ORDERING INFORMATION

CATALOG NUMBER

X2415P

SIZE

100 µg

FORM

Unconjugated

HOST/CLONE

Rabbit

FORMULATION

Provided as solution in phosphate buffered saline with 0.08% sodium azide

CONCENTRATION

See vial for concentration

ISOTYPE

IgG

APPLICATIONS

Western Blotting, ELISA

SPECIES REACTIVITY

Human

ACCESSION NUMBER

P63165, Human

IMMUNOGEN

Synthetic peptide derived from the human SUMO-1 protein.

POSITIVE CONTROL/TISSUE EXPRESSION

COMMENTS

Antibody can be used for Western blotting (1-5 µg/ml). Optimal concentration should be evaluated by serial dilutions.

PURIFICATION

Ammonium Sulfate Precipitation

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STORAGE CUSTOMER

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

1. Saitoh, H., et al. "SUMO-1: wrestling with a new ubiquitin-related modifier." Trends Biochem Sci 1997; 22(10):374-376
2. Muller, S., et al. "Conjugation with the ubiquitin-related modifier SUMO-1 regulated the partitioning of PML within the nucleus." EMBO J 1998; 17(1):61-70
3. Navascues J., et al. "SUMO-1 transiently localizes to Cajal bodies in mammalian neurons." J Struct Biol 2008; 163(2):137-146.