



RABBIT ANTI-SUMO-3 POLYCLONAL ANTIBODY

CATALOG NUMBER: AB10621

QUANTITY: 100 µg

LOT NUMBER:

CONCENTRATION: 0.25 mg/mL

HOST: Rabbit

BACKGROUND:

Small ubiquitin-related modifier proteins (SUMO-1, SUMO-2 and SUMO-3) are members of the ubiquitin-like protein family. SUMO-3 regulates Amyloid β generation and may be critical in the onset or progression of Alzheimer's disease. SUMO-2/3 forms poly-(SUMO) chains, which is conjugated to topoisomerase II and APP and regulates chromosomal segregation, progression of Alzheimer's disease and cellular responses to environmental stress. SUMO-1, 2, and 3 proteins localize to the nuclear membrane, nuclear bodies, and cytoplasm, respectively.

SPECIFICITY: Reacts with SUMO-3 in western blotting.

IMMUNOGEN: Synthetic peptide derived from the C-terminal region of the human SUMO-3 protein

APPLICATIONS: Western Blotting: 1-3 µg/mL

Optimal working dilutions must be determined by end user.

SPECIES REACTIVITY: Human (positive control: SK-OV3, Jurkat cell lysates)

FORMAT: This antibody is epitope-affinity purified from rabbit antiserum.

PRESENTATION: This polyclonal antibody is supplied in 400 µL of phosphate buffered saline (pH 7.4) containing 0.1% sodium azide.

STORAGE/HANDLING: Store at -20°C in undiluted aliquots for 1 year from date of shipment.

REFERENCES: Kim KI, et al. *J Cell Physiol* 191: 257-268, 2002.

Li Y, et al. *Proc Natl Acad Sci U S A* 100: 259-264, 2003.

Important Note: During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

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PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION**

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