

Anti-SUMO1(Small ubiquitin-related modifier 1) Polyclonal Antibody

Cat. #: 60B937

Description:

SUMO1(Small ubiquitin-related modifier 1) binds to a wide range of target proteins. It does not seem to be involved in protein degradation and may function as an antagonist of ubiquitin in the degradation process. SUMO1 plays a role in a number of cellular processes such as nuclear transport, DNA replication and repair, mitosis and signal transduction. It is involved in targeting RANGAP1 to the nuclear pore complex protein RANBP2. SUMO1 is covalently attached to a number of proteins such as PML, RANGAP1, HIPK2, SP100, p53, p73alpha, MDM2, JUN and DNMT3B. It also interacts with HIF1A, HIPK2, HIPK3, CHD3, PIAS1, EXOSC9, TDG, RAD51 and RAD52. SUMO1 belongs to the ubiquitin family and SMT3 subfamily. It contains 1 ubiquitin-like domain.

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to N-terminal residues of SUMO1(Small ubiquitin-related modifier 1 precursor)

References

Boddy,M.N., et al, *Oncogene* 13 (5), 971-982 (1996)
Shen,Z., et al, *Genomics* 36 (2), 271-279 (1996)
Mahajan,R., et al, *Cell* 88 (1), 97-107 (1997)
Matunis,M.J., et al, *J. Cell Biol.* 135 (6 PT 1), 1457-1470 (1996)
Okura,T., et al, *J. Immunol.* 157 (10), 4277-4281 (1996)
Everett,R.D., et al, *J. Cell. Sci.* 112 (PT 24), 4581-4588 (1999)
Minty,A., et al, *J. Biol. Chem.* 275 (46), 36316-36323 (2000)
Engelhardt,O.G., et al, *Exp. Cell Res.* 283 (1), 36-50 (2003)

Clone Number:

Isotype:

Species: human, mouse

Storage and Stability: at -20oC

Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

Preparation:

Purified by antigen-specific affinity chromatography.

Applications :

ELISA

Western Blotting (1µg/ml for 2hrs)