



## Product Information Sheet

### Polyclonal Anti-SKP2 (Magnetic Bead Conjugate)

<b>Catalogue No.</b> PA1102-M	<b>Immunogen</b> A synthetic peptide corresponding to a sequence at the N-terminal of human SKP2, different from the related rat and mouse sequence by three amino acids.
<b>Lot No.</b> 08F01	
<b>Ig type:</b> rabbit IgG1	<b>Purification</b> Immunogen affinity purified
<b>Size:</b> 100µg/Vial	<b>Contents</b> Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN <sub>3</sub> .
<b>Specificity</b> Human, mouse, rat. No cross reactivity with other proteins.	<b>Storage</b> Store at 4°C for frequent use.
<b>Recommended application</b> <i>Immunoprecipitation (IP)</i>	<b>Description:</b> This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic beads. It is useful for immunoprecipitation

#### BACKGROUND

The F box protein Skp2 (S-phase kinase-associated protein 2) is oncogenic, and its frequent amplification and overexpression correlate with the grade of malignancy of certain tumors. Skp2 controls p300-p53 signaling pathways in cancer cells, making it a potential molecular target for cancer therapy. This gene positively regulates the G(1)-S transition by controlling the stability of several G(1) regulators, such as the cell cycle inhibitor p27. This study provides evidence of a role for an F-box protein in oncogenesis and establishes SKP2 as a protooncogene causally involved in the pathogenesis of lymphomas.

#### REFERENCE

1. Kitagawa, M.; Lee, S. H.; McCormick, F. : Skp2 suppresses p53-dependent apoptosis by inhibiting p300. *Molec. Cell* 29: 217-231, 2008.
2. Latres, E.; Chiarle, R.; Schulman, B. A.; Pavletich, N. P.; Pellicer, A.; Inghirami, G.; Pagano, M. : Role of the F-box protein Skp2 in lymphomagenesis. *Proc. Nat. Acad. Sci.* 98: 2515-2520, 2001.

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