

## Product datasheet for **AP23375PU-N**

### SKP2 (N-term) Rabbit Polyclonal Antibody

#### Product data:

|                        |  |
|------------------------|--|
| Product Type:          | Primary Antibodies   |
| Applications:          | IF, IHC, WB  |
| Recommended Dilution:  | Western blot: At 1 µg/ml with the appropriate system to detect SKP2 in cells and tissues.<br>Immunohistochemistry on paraffin sections: At 1-2 µg/ml to detect SKP2 in formalin fixed and paraffin embedded tissues.<br>Immunocytochemistry. |
| Reactivity:            | Human, Mouse, Rat  |
| Host:                  | Rabbit   |
| Isotype:               | IgG  |
| Clonality:             | Polyclonal   |
| Immunogen:             | synthetic peptide corresponding to a sequence at the N-terminal of human SKP2  |
| Specificity:           | This antibody detects SKP2 / FBXL1 (N-term). No cross reactivity with other proteins.  |
| Formulation:           | 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg Na <sub>3</sub><br>State: Aff - Purified<br>State: Lyophilized Ig fraction   |
| Reconstitution Method: | 0.2ml of distilled water will yield a concentration of 500 µg/ml.  |
| Purification:          | Immunogen affinity purified  |
| Conjugation:           | Unconjugated   |
| Storage:               | Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.  |
| Stability:             | Shelf life: one year from despatch.  |
| Gene Name:             | S-phase kinase-associated protein 2, E3 ubiquitin protein ligase   |
| Database Link:         | <a href="#">Entrez Gene 6502 Human Q13309</a>  |



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**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.

**Synonyms:**

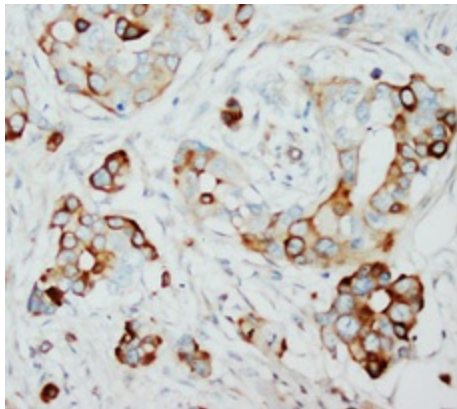
FBL1; FBXL1; FLB1; MGC1366; p45skp2

**Protein Families:**

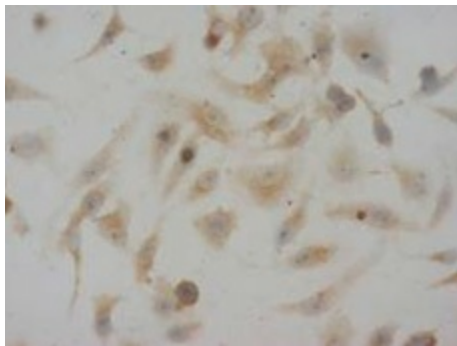
Druggable Genome

**Protein Pathways:**

Acute myeloid leukemia, Apoptosis, Cell cycle, Oocyte meiosis, p53 signaling pathway, Pathways in cancer, Progesterone-mediated oocyte maturation, Small cell lung cancer, Ubiquitin mediated proteolysis

**Product images:**

SKP2 Polyclonal Antibody



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