
anti-p19Skp1

Cat #: HM1261
Mouse monoclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

APPLICATIONS

p19Skp1 (S phase kinase-associated proteins) is part of active cyclin A-CDK2 complexes. It is required for cell cycle progression at both the DNA synthesis and mitosis phases of the cell cycle. p19Skp1 is a subunit of SCF ligase, whose components also include Cul1, and F-box protein components. Within the SCF complex, Skp1 acts as an adapter protein linking the F-box protein to Cul1. The SKP1 gene is essential for the G1/S and G2/M cell cycle transitions. Skp1 (p19), interacts with cyclin F directly and cyclin A indirectly, and is thought to link these key regulatory proteins of the cell cycle to ubiquitin-mediated degradation by the proteolytic pathway.

SPECIFICITY

This antibody recognizes p19Skp1 of human, rat and mouse origin.

The antibody can be used in Western blotting, immunoprecipitation and immunostaining.

IMMUNOGEN

Full-length recombinant human p19Skp1 protein.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCE

1. Zhang, H., Kobayashi, R., Galaktionov, K., and Beach, D. 1995. p19Skp1 and p45Skp2 are essential elements of the cyclin ACDK2 S phase kinase. *Cell* 82: 915-925.
2. Bai C, Sen P, Hofmann K, Ma L, Goebel M, Harper JW, Elledge SJ. 1996. SKP1 connects cell cycle regulators to the ubiquitin proteolysis machinery through a novel motif, the F-box. *Cell*. 86:263-74.
3. Connelly C, Hieter P. 1996. Budding yeast SKP1 encodes an evolutionarily conserved kinetochore protein required for cell cycle progression. *Cell*. 86:275-85.

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