
Anti-p45Skp2

Cat #: HM1267
Rabbit polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

p45Skp2 is a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. It is a subunit of ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. p45Skp2 is an essential element of the cyclin A-CDK2 S-phase kinase. It specifically recognizes phosphorylated cyclin-dependent kinase inhibitor 1B (also referred to as p27 or KIP1) and interacts with S-phase kinase-associated protein 1 (SKP1 or p19). Abolition of Skp2 p45 function by antibodies or antisense oligonucleotides prevents entry into S phase of both normal and transformed cells.

SPECIFICITY

This antibody specifically reacts with p45Skp2 of mouse, rat and human origin.

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

IMMUNOGEN

Recombinant human p45Skp2 protein expressed in E. coli.

STORAGE

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

REFERENCES

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3. Schulman, B.A., Carrano, A.C., Jeffrey, P.D., Bowen, Z., Kinnucan, E.R., Finnin, M.S., Elledge, S.J., Harper, J.W., Pagano, M. and Pavletich, N.P. 2000. Insights into SCF ubiquitin ligases from the structure of the Skp1-Skp2 complex. *Nature* 408 (6810), 381-386.
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