
anti-Cul-1

Cat #: HM1101
Rabbit polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

Cul-1 is a member of the cullin protein family which also includes Cul-2, -3, -4a, -4b, and -5. Together with p19skp1 and F box protein p45skp2 Cul 1 form an ubiquitin ligase complex designated SCF (Skp1/ Cul-1/F-box protein complex). The complex controls proteolysis of G1 cell cycle regulatory proteins such as cyclin D, p21 and cyclin E. SCF-based ubiquitination pathways may play a key role in diverse biological processes, such as cell proliferation, differentiation and development. Cul-2 associates with the tumor suppressing protein VHL and elongin B to form VBC complexes, which structurally resemble the SCF ligase. Cul-3 facilitates the degradation of cyclin E independent of SCF activity. Cul-4 associate with Nedd-8, a ubiquitin-like protein, to function in a multifunctional E3 complex.

SPECIFICITY

This antibody reacts with Cul-1 of mouse, rat and human origin.

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

IMMUNOGEN

A recombinant protein corresponding to amino terminus of human Cul-1.

STORAGE

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

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