

兔抗 NEDD8 多克隆抗体

中文名称：兔抗 NEDD8 多克隆抗体

英文名称：Anti-NEDD8 rabbit polyclonal antibody

别名：NEDD8; FLJ43224; MGC104393; MGC125896; MGC125897; Nedd-8

相关类别：一抗

储存：冷冻（-20℃）避光

宿主：Rabbit

抗原：NEDD8

反应种属：Human, Mouse, Rat

标记物：Unconjugate

克隆类型：rabbit polyclonal

技术规格

Background:

Neural precursor cell-expressed developmentally downregulated protein 8 (NEDD8), also known as Rub1 (related to ubiquitin 1) in plants and yeast, is a member of the ubiquitin-like protein family. The covalent attachment of NEDD8 to target proteins, termed neddylation, is a reversible, multi-step process analogous to ubiquitination. NEDD8 is first synthesized in a precursor form with a carboxy-terminal extension peptide that is removed by either the UCH-L3 or NEDP1/DEN1 hydrolase protein to yield a mature NEDD8 protein. Mature NEDD8 is then covalently linked to target proteins via the carboxy-terminal glycine residue in a reaction catalyzed by the APP-BP1/Uba3 heterodimer complex and Ubc12 as the E1- and E2-like enzymes, respectively. An E3 ligase protein, Roc1/Rbx1, is also required for neddylation of the cullin protein.

	ns. Protein de-neddylation is catalyzed by a number of enzymes in the cell, including a "ubiquitin-specific" protease USP 21, the NEDP1/DEN1 hydrolase and the COP9/signalosome (CSN). In contrast to the ubiquitin pathway, the NEDD8 modification system acts on only a few substrates and does not appear to target proteins for degradation. Neddylation of cullin proteins activates the SCF (Skp1-Cullin-F-box) E3 ubiquitin ligase complex by promoting complex formation and enhancing the recruitment of the E2-ubiquitin intermediate. While NEDD8 modification of VHL is not required for ubiquitination of HIF1- α , it is required for fibronectin matrix assembly. Mdm2-dependent neddylation of p53 inhibits its transcriptional activity.
Applications:	WB
Name of antibody:	NEDD8
Immunogen:	Fusion protein of human NEDD8
Full name:	neural precursor cell expressed, developmentally down-regulated 8
Synonyms :	NEDD8; FLJ43224; MGC104393; MGC125896; MGC125897; Nedd-8
SwissProt:	Q15843
WB Predicted band size:	9 kDa
WB Positive control:	COS1 and Jurkat cells, brain tissue
WB Recommended dilution:	500-2000

