## Affinity Biosciences website:www.affbiotech.com order:order@affbiotech.com

## NEDD8 Ab

Images(1)

Cat.#: DF6297 Concn.: ~1mg/ml Mol.Wt.: 9kDa Size: Source: Rabbit Clonality: Polyclonal

Application: WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500

\*The optimal dilutions should be determined by the end user.

Reactivity: Human, Mouse, Rat

Storage: Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02%

sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from

date of receipt.

Purification: The antiserum was purified by peptide affinity chromatography using

SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Immunogen: A synthesized peptide derived from human NEDD8, corresponding to a

region within the internal amino acids.

Uniprot: Q15843

Description: 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 (1,2). 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 (3,4). 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.



Western blot analysis of Hela whole cell lysates, using NEDD8 Ab. The lane on the left was treated with the antigen-specific peptide.

<code>IMPORTANT:</code> For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

procedures. Not for resale without express authorization.