

NEDD8

Reactivity: Human Mouse Rat

Tested applications: WB IHC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200

Calculated MW: 9kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human NEDD8

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

FLJ43224; MGC104393; MGC125896; MGC125897; Nedd-8

Catalog #: A0591

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 4738

Isotype: IgG

Swiss Prot: Q15843

Purity: Affinity purification

For research use only.

Background:

NEDD8 (neural precursor cell-expressed developmentally down-regulated gene 8) is a small ubiquitin-like protein that shares 60% sequence identity and 80% homology with ubiquitin [PMID:9353319]. NEDD8 is conjugated to substrate proteins in a process known as neddylation. NEDD8 forms a thioester bond with APPBP1-Uba3, the E1 enzyme. Activated NEDD8 then transfers to Ubc12, the E2 enzyme. Ultimately, E2 loaded with NEDD8 binds a substrate protein lysine residue and forms an isopeptide bond by E3 ligase [PMID:18802447].

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