

## 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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