

## NEDD4-2 polyclonal antibody

Catalog: BS90924

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

NEDD4-L (neural precursor cell expressed, developmentally down-regulated 4-like), also known as RSP5, NEDD4-2 or NEDL3, is a 975 amino acid protein that localizes to the cytoplasm and contains four WW domains, one HECT domain and one C2 domain. Expressed ubiquitously with highest expression in pancreas, prostate and kidney, NEDD4-L functions as an E3 ubiquitin-protein ligase that, characteristic of E3 ligase proteins, accepts ubiquitin (in the form of a thioester) from an E2 ubiquitin-conjugating enzyme and transfers that ubiquitin residue to substrates targeted for degradation. Through its ability to ubiquitinate and induce the proteasome-dependent degradation of proteins such as Smad2 and TGF $\beta$  RII, NEDD4-L is thought to inhibit the TGF $\beta$  signaling pathway, thereby regulating the signaling pathways that control cell growth and differentiation. NEDD4-L is expressed as eight isoforms due to alternative splicing events.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

112 kDa

### Swiss-Prot:

Q96PU5(Human) Q8CFI0(Mouse) Unigene:72824(Rat)

### Purification&Purity:

ProA affinity purified

### Applications:

WB:1:1,000-1:5,000

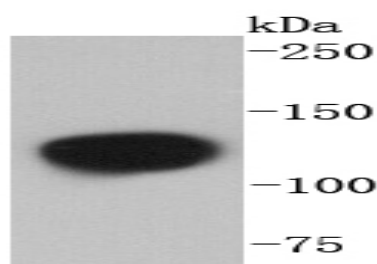
### Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

### Specificity:

NEDD4-2 polyclonal antibody detects endogenous levels of NEDD4-2 protein.

### DATA:



Western blot analysis of NEDD4-2 on Jurkat cells lysates using anti-NEDD4-2 antibody at 1/1,000 dilution.

### Note:

For research use only, not for use in diagnostic procedure.

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