

Anti-NEDD4L Antibody (2B935)

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 112 kDa.
Clone:	2B935
Purification:	ProA affinity purified

Applications

Application:	IP,WB
Recommended	WB: 1:1000-5000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	Q96PU5
Synonyms:	NEDD4L;Nedd4-2;HECT-type E3 ubiquitin transferase NED4L;NEDD4.2;KIAA0439;NEDL3;E3 ubiquitin-protein ligase NEDD4-like

Research 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 β RII, NEDD4-L is thought to inhibit the TGF β 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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