

## Product datasheet for **CF812644**

### **NEDD4 Mouse Monoclonal Antibody [Clone ID: OTI6B2]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI6B2
<b>Applications:</b>	WB
<b>Recommended Dilution:</b>	WB 1:500
<b>Reactivity:</b>	Human
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Human recombinant protein fragment corresponding to amino acids 160-460 of human NEDD4 (NP_940682) produced in E.coli.
<b>Formulation:</b>	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
<b>Reconstitution Method:</b>	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	140.7 kDa
<b>Gene Name:</b>	NEDD4 E3 ubiquitin protein ligase
<b>Database Link:</b>	<a href="#">NP_940682</a> <a href="#">Entrez Gene 4734 Human</a> <a href="#">P46934</a>



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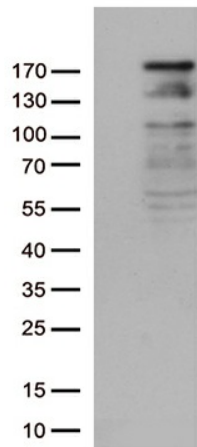
**Background:** This gene is the founding member of the NEDD4 family of HECT ubiquitin ligases that function in the ubiquitin proteasome system of protein degradation. The encoded protein contains an N-terminal calcium and phospholipid binding C2 domain followed by multiple tryptophan-rich WW domains and, a C-terminal HECT ubiquitin ligase catalytic domain. It plays critical role in the regulation of a number of membrane receptors, endocytic machinery components and the tumor suppressor PTEN. [provided by RefSeq, Jul 2016]

**Synonyms:** NEDD4-1; RPF1

**Protein Families:** Druggable Genome

**Protein Pathways:** Endocytosis, Ubiquitin mediated proteolysis

### Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY NEDD4 ([RC212738], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NEDD4 (1:500). Positive lysates [LY405051] (100ug) and [LC405051] (20ug) can be purchased separately from OriGene.