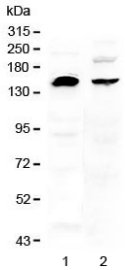
NEDD4 Antibody (RQ4401)

Catalog No.	Formulation	Size
RQ4401	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P46934
Applications	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml (recombinant human protein) (BSA-free format available)
Limitations	This NEDD4 antibody is available for research use only.



Western blot testing of human 1) U-87 MG and 2) MDA-MB-453 cell lysate with NEDD4 antibody at 0.5ug/ml. Predicted molecular weight ~149 kDa; commonly observed at 110-149 kDa with a possible ~95 kDa cleavage band.

Description

E3 ubiquitin-protein ligase NEDD4, also known as neural precursor cell expressed developmentally down-regulated protein 4 (NEDD4), is an enzyme that in humans is encoded by the NEDD4 gene. 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.

Application Notes

Optimal dilution of the NEDD4 antibody should be determined by the researcher.

Immunogen

A human partial recombinant protein corresponding to amino acids N960-F1245 was used as the immunogen for the NEDD4 antibody.

Storage

After reconstitution, the NEDD4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.