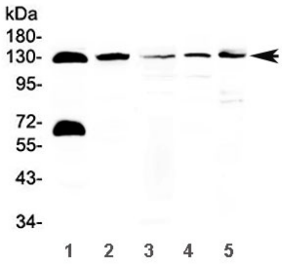
NEDD4-2 Antibody / NEDD4L (RQ4197)

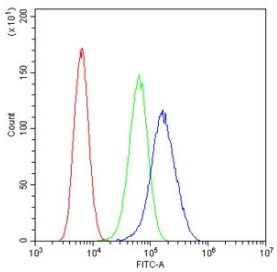
Catalog No.	Formulation	Size
RQ4197	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
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	Q96PU5
Applications	Western Blot: 0.5-1ug/ml FACS: 1-3ug/10^6 cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This NEDD4-2 antibody is available for research use only.



Western blot testing of 1) human 22RV1, 2) human Jurkat, 3) rat pancreas, 4) mouse pancreas and 5) mouse NIH3T3 lysate with NEDD4-2 antibody at 0.5ug/ml. Predicted molecular weight: 112-125 kDa.



Flow cytometry testing of human U-2 OS cells with NEDD4-2 antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= NEDD4-2 antibody.

Description

Neural precursor cell expressed developmentally downregulated gene 4-like (NEDD4L) or NEDD4-2 (NEDD4-2) is an enzyme (ubiquitin ligase) of the NEDD4 family. This gene encodes a member of the Nedd4 family of HECT domain E3 ubiquitin ligases. HECT domain E3 ubiquitin ligases transfer ubiquitin from E2 ubiquitin-conjugating enzymes to protein substrates, thus targeting specific proteins for lysosomal degradation. The encoded protein mediates the ubiquitination of multiple target substrates and plays a critical role in epithelial sodium transport by regulating the cell surface expression of the epithelial sodium channel, ENaC. Single nucleotide polymorphisms in this gene may be associated with essential hypertension. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

Application Notes

Optimal dilution of the NEDD4-2 antibody should be determined by the researcher.

Immunogen

A recombinant human protein corresponding to amino acids N703-D975 was used as the immunogen for the NEDD4-2 antibody.

Storage

After reconstitution, the NEDD4-2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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