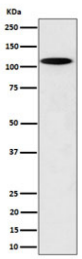
N4BP1 Antibody / NEDD4-binding protein 1 / KIAA0615 [clone 28N99] (RQ8834)

Catalog No.	Formulation	Size
RQ8834	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 days
Species Reactivity	Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	28N99
Purity	Affinity chromatography
UniProt	Q6A037
Applications	Western blot: 1:500-1:2000
Limitations	This N4BP1 antibody is available for research use only.



Western blot testing of rat PC-12 cell lysate with N4BP1 antibody. Predicted molecular weight ~100 kDa.

Description

N4BP1 was first identified as a binding partner of NEDD4, a ubiquitin ligase that plays a key role in protein degradation and various cellular signaling pathways. Through its interaction with NEDD4, N4BP1 has been implicated in the regulation of protein turnover, cell growth, and the immune response. One of the most intriguing aspects of N4BP1 is its role in the regulation of the PI3K/Akt signaling pathway, which is essential for cell growth, survival, and metabolism. Studies have shown that N4BP1 can inhibit Akt activation by promoting its degradation, leading to the inhibition of cell proliferation and

survival. This makes N4BP1 an attractive target for therapeutic interventions in diseases such as cancer, where dysregulation of the PI3K/Akt pathway is commonly observed. In addition to its role in the PI3K/Akt pathway, N4BP1 has also been found to regulate other signaling pathways, including the NF-ÃŽÂºB pathway, which plays a crucial role in the immune response and inflammation. By modulating the activity of NF-ÃŽÂºB, N4BP1 can influence the expression of genes involved in inflammation and immunity, highlighting its importance in maintaining cellular homeostasis.

Application Notes

Optimal dilution of the N4BP1 antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to human N4BP1 protein was used as the immunogen for the N4BP1 antibody.

Storage

Store the N4BP1 antibody at -20oC.

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