

Anti-NEDD4-binding protein 1 N4BP1 Antibody

Catalog Number: A12575-1

About N4BP1

Nedd4-binding partner-1 (N4BP1) is a developmentally expressed protein interactor and monoubiquitylation substrate of Nedd4, a HECT domain-containing ubiquitin ligase that mediates ubiquitylation and proteasome degradation of target proteins and may have a fundamental role to play in embryonic processes. N4BP1 can undergo Nedd4-mediated polyubiquitylation and proteosomal degradation. N4BP1 also functions as a negative regulator of AIF4 (also known as ITCH or Atrophin-1), an E3-ubiquitin ligase, by interacting with the second WW domain of AIF4 and impairing ubiquitination of substrates.

Overview

Product Name	Anti-NEDD4-binding protein 1 N4BP1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-NEDD4-binding protein 1 N4BP1 Antibody (Catalog # A12575-1). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	N4BP1 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	N4BP1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	O75113

Technical Details

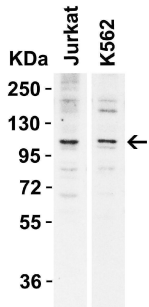
Immunogen	N4BP1 antibody was raised against a 18 amino acid synthetic peptide near the amino terminus of human N4BP1. The immunogen is located within the first 50 amino acids of N4BP1.
Predicted Reactive Species	Bovine, Rat
Cross Reactivity	At least three isoforms of N4BP1 are known to exist; this antibody will only detect the longest isoform.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	N4BP1 Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

N4BP1 antibody can be used for detection of N4BP1 by Western blot at 0.5 ug/mL. Antibody can also be used for immunocytochemistry starting at 10 ug/mL. For immunofluorescence start at 20 ug/mL.

Antibody validated: Western Blot in human samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

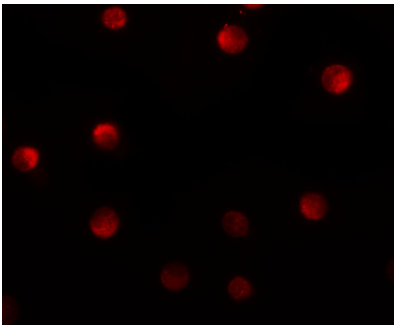
Anti-NEDD4-binding protein 1 N4BP1 Antibody (A12575-1) Images



WB Validation in Human Cell Lines Loading: 15 ug of lysates
Antibodies: N4BP1, A12575-1 1 ug/ml, 1 h incubation at RT
in 5% NFDN/TBST. Secondary: Goat Anti-Rabbit IgG HRP
conjugate at 1:10000 dilution. Exposure: 30 sec



Immunocytochemistry of N4BP1 in HeLa cells with N4BP1
antibody at 10 ug/mL.



Immunofluorescence of N4BP1 in HeLa cells with N4BP1
antibody at 20 ug/mL.

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