

Anti-N4BP1 Rabbit Monoclonal Antibody

Catalog # ABO16363

Product Information

Application	WB
Primary Accession	Q6A037
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-N4BP1 Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Mouse, Rat.

Additional Information

Gene ID	80750
Other Names	NEDD4-binding protein 1, N4BP1, 3.1.-., N4bp1 {ECO:0000303 PubMed:11717310, ECO:0000312 MGI:MGI:2136825}
Calculated MW	99147
Application Details	WB 1:500-1:2000
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 28N99
Immunogen	A synthesized peptide derived from human N4BP1
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

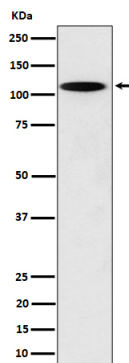
Name	N4bp1 {ECO:0000303 PubMed:11717310, ECO:0000312 MGI:MGI:2136825}
Function	Potent suppressor of cytokine production that acts as a regulator of innate immune signaling and inflammation (PubMed: 32971525). Acts as a key negative regulator of select cytokine and chemokine responses elicited by TRIF-independent Toll-like receptors (TLRs), thereby limiting inflammatory cytokine responses to minor insults (PubMed: 32971525). In response to more

threatening pathogens, cleaved by CASP8 downstream of TLR3 or TLR4, leading to its inactivation, thereby allowing production of inflammatory cytokines (PubMed:[32971525](#)). Acts as a restriction factor against some viruses: restricts viral replication by binding to mRNA viruses and mediating their degradation via its ribonuclease activity (By similarity). Also acts as an inhibitor of the E3 ubiquitin-protein ligase ITCH: acts by interacting with the second WW domain of ITCH, leading to compete with ITCH's substrates and impairing ubiquitination of substrates (PubMed:[17592138](#)).

Cellular Location

Cytoplasm, cytosol. Nucleus. Nucleus, nucleolus. Nucleus, PML body.
Note=Primarily localizes to the nucleolus (PubMed:20233849). Also localizes to the PML nuclear bodies, when desumoylated (PubMed:20233849).

Images



Western blot analysis of N4BP1 expression in PC12 cell lysate.

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