

N4BP1 Rabbit mAb

Catalog # AP75769

Product Information

Application	WB, FC
Primary Accession	Q6A037
Reactivity	Rat, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	99147

Additional Information

Gene ID	80750
Other Names	N4Bp1
Dilution	WB~~1:1000-1:5000 FC~~1:100-1:500
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

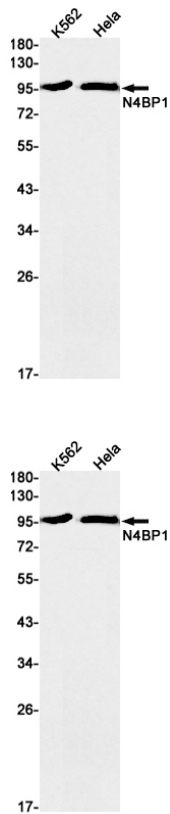
Name	N4bp1 {ECO:0000303 PubMed:11717310, ECO:0000312 MGI:MGI:2136825}
Function	Potent suppressor of cytokine production that acts as a regulator of innate immune signaling and inflammation (PubMed: 32971525). Acts as a key negative regulator of select cytokine and chemokine responses elicited by TRIF-independent 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).

Background

Potent suppressor of cytokine production that acts as a regulator of innate immune signaling and inflammation.

Images



Western blot analysis of N4BP1 in K562, HeLa lysates using N4BP1 antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.