

N4BP1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51377**Specification**

N4BP1 Antibody - Product Information

Application	WB, IP, ICC, IHC-P, E
Primary Accession	O75113
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	100 KDa

N4BP1 Antibody - Additional Information**Gene ID** 9683**Other Names**

NEDD4-binding protein 1, N4BP1, N4BP1, KIAA0615

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

N4BP1 Antibody - Protein Information**Name** N4BP1 ([HGNC:29850](#))**Function**

Potent suppressor of cytokine production that acts as a regulator of innate immune signaling and inflammation. 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. In response to more threatening pathogens, cleaved by CASP8 downstream of TLR3 or TLR4, leading to its inactivation, thereby allowing production of inflammatory cytokines (By similarity). Acts as a restriction factor against some viruses, such as HIV-1: restricts HIV-1 replication by binding to HIV-1 mRNAs and mediating their degradation via its ribonuclease activity (PubMed:31133753). 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 (By similarity).

Cellular Location

Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q6A037}. Nucleus {ECO:0000250|UniProtKB:Q6A037} Nucleus, nucleolus {ECO:0000250|UniProtKB:Q6A037}. Nucleus, PML body {ECO:0000250|UniProtKB:Q6A037}. Note=Primarily localizes to the nucleolus. Also localizes to the PML nuclear bodies, when desumoylated {ECO:0000250|UniProtKB:Q6A037}

Tissue Location

Detected in heart, lung, brain, liver, skeletal muscle, pancreas, kidney, spleen, testis and ovary

N4BP1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

N4BP1 Antibody - Images**N4BP1 Antibody - Background**

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 (By similarity).

N4BP1 Antibody - References

Ishikawa K.,et al.DNA Res. 5:169-176(1998).
Martin J.,et al.Nature 432:988-994(2004).
Dephoure N.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).
Gauci S.,et al.Anal. Chem. 81:4493-4501(2009).
Mayya V.,et al.Sci. Signal. 2:RA46-RA46(2009).