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ZC3HC1 / NIPA Antibody (aa320-369)

Rabbit Polyclonal Antibody
Catalog # ALS16682

Specification

ZC3HC1 / NIPA Antibody (aa320-369) - Product Information

Application	**IHC, IF**
Primary Accession	Q86WB0
Other Accession	51530
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**55262**

ZC3HC1 / NIPA Antibody (aa320-369) - Additional Information

Gene ID 51530

Other Names
ZC3HC1, HSPC216, HNIPA, Zinc finger, C3HC type 1, NIPA

Target/Specificity
NIPA Antibody detects endogenous levels of total NIPA protein.

Reconstitution & Storage
PBS (without Mg2+, Ca2+), pH 7.4, 150 mM sodium chloride, 0.02% sodium azide, 50% glycerol. Store at -20°C for up to one year.

Precautions
ZC3HC1 / NIPA Antibody (aa320-369) is for research use only and not for use in diagnostic or therapeutic procedures.

ZC3HC1 / NIPA Antibody (aa320-369) - Protein Information

Name ZC3HC1

Synonyms NIPA

Function
Essential component of a SCF-type E3 ligase complex, SCF(NIPA), a complex that controls mitotic entry by mediating ubiquitination and subsequent degradation of cyclin B1 (CCNB1). Its cell-cycle-dependent phosphorylation regulates the assembly of the SCF(NIPA) complex, restricting CCNB1 ubiquitination activity to interphase. Its inactivation results in nuclear accumulation of CCNB1 in interphase and premature mitotic entry. May have an antiapoptotic role in NPM-ALK-mediated signaling events.

Cellular Location

Nucleus.

Tissue Location
Widely expressed. Highly expressed in heart, skeletal muscle and testis. Expressed in brain, placenta, lung, kidney, liver, pancreas, spleen, thymus, prostate, ovary small intestine and colon. Weakly or not expressed in leukocytes

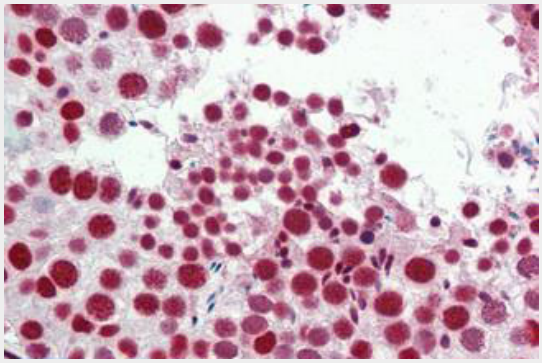
Volume
50 µl

ZC3HC1 / NIPA Antibody (aa320-369) - Protocols

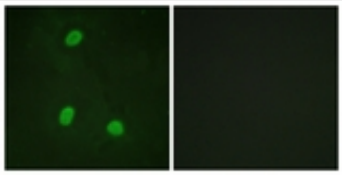
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ZC3HC1 / NIPA Antibody (aa320-369) - Images



Anti-ZC3HC1 / NIPA antibody IHC staining of human testis.



Immunofluorescence of HeLa cells, using NIPA Antibody.

ZC3HC1 / NIPA Antibody (aa320-369) - Background

Essential component of an SCF-type E3 ligase complex, SCF(NIPA), a complex that controls mitotic entry by mediating ubiquitination and subsequent degradation of cyclin B1 (CCNB1). Its cell-cycle-dependent phosphorylation regulates the assembly of the SCF(NIPA) complex, restricting CCNB1 ubiquitination activity to interphase. Its inactivation results in nuclear accumulation of CCNB1 in interphase and premature mitotic entry. May have an antiapoptotic role in NPM-ALK-mediated signaling events.

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Zhang Q.-H.,et al.Genome Res. 10:1546-1560(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Hillier L.W.,et al.Nature 424:157-164(2003).
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