产品名称：NIPA Rabbit Polyclonal Antibody
产品货号：APRab14705

产品概述（Summary）

产品名称（Production Name）	NIPA Rabbit Polyclonal Antibody
描述（Description）	Rabbit polyclonal Antibody
宿主（Host）	Rabbit
应用（Application）	WB,ICC/IF,ELISA
种属反应性（Reactivity）	Human,Mouse,Rat,Monkey

产品性能（Performance）

偶联物（Conjugation）	Unconjugated
修饰（Modification）	Unmodified
同种型（Isotype）	IgG
克隆（Clonality）	Polyclonal
形式（Form）	Liquid
存放说明（Storage）	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液（Buffer）	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式（Purification）	Affinity purification

免疫原信息（Immunogen）

基因名（Gene Name）	ZC3HC1
别名（Alternative Names）	ZC3HC1; NIPA; HSPC216; Nuclear-interacting partner of ALK; Nuclear-interacting partner of anaplastic lymphoma kinase; hNIPA; Zinc finger C3HC-type protein 1
基因 ID（Gene ID）	51530.0
蛋白 ID（SwissProt ID）	Q86WB0.The antiserum was produced against synthesized peptide derived from human NIPA. AA range:320-369

产品应用（Application）

稀释比（Dilution Ratio）	WB 1:500-1:2000,ICC/IF 1:200-1:1000,ELISA 1:20000-1:40000
蛋白分子量（Molecular Weight）	55kDa

产品名称：NIPA Rabbit Polyclonal Antibody
产品货号：APRab14705

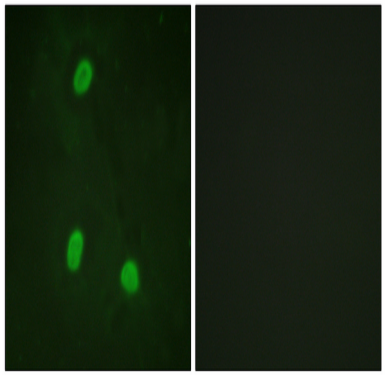
研究背景（Background）

This gene encodes an F-box-containing protein that is a component of an SCF-type E3 ubiquitin ligase complex that regulates the onset of cell division. The G2/M transition in the cell cycle requires the interaction of the proteins cyclin B1 and cyclin-dependent kinase 1. The activated ubiquitin ligase complex targets the protein cyclin B1 for degradation, preventing this transition to mitosis. [provided by RefSeq, Aug 2013],caution:Reported to contain a F-box domain (PubMed:16009132). Such domain is however not predicted by any detection method.,developmental stage:Weakly expressed in G0/G1 phases, abundant during S and G2/M phases, and strongly decreases thereafter.,domain:The F-box-like region is required for the interaction with SKP1A.,function: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.,pathway:Protein modification; protein ubiquitination.,PTM:Phosphorylated. Phosphorylated on Ser residues at G2/M phase, but not during S and G0 phases. May also be weakly phosphorylated on Tyr residues. Ser-354 phosphorylation, a major site during the course of cell-cycle-dedendent phosphorylation, results in its dissociation from the SCF(NIPA) complex, thereby preventing CCNB1 degradation leading to mitotic entry.,similarity:Contains 1 C3HC-type zinc finger.,subunit:Interacts with the NPM-ALK fusion protein in a tyrosine phosphorylation-dependent manner. Interacts with SKP1. Component of a SCF(NIPA) E3 complex with SKP1A, RBX1 and CUL1 when not phosphorylated on Ser-354. Interacts with CCNB1.,tissue specificity: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.,

研究领域（Research Area）

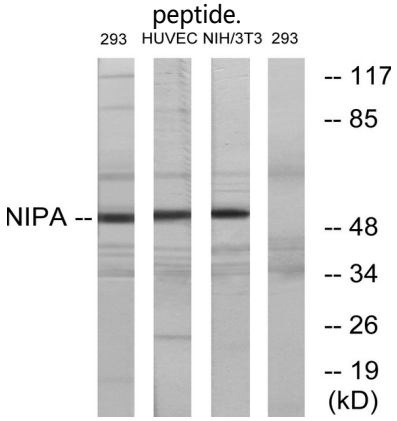
Cell Biology; Proteolysis / Ubiquitin; Proteasome / Ubiquitin; Ubiquitin E3 Enzymes; SCF Complex E3 Ligase

图片（Image Data）

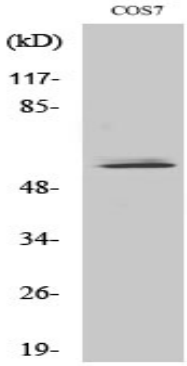


Immunofluorescence analysis of HeLa cells, using NIPA Antibody. The picture on the right is blocked with the synthesized

产品名称：NIPA Rabbit Polyclonal Antibody
产品货号：APRab14705



Western blot analysis of lysates from 293/HuvEc/NIH/3T3, using NIPA Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using NIPA Polyclonal Antibody diluted at 1：2000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit （SC-003,Inventbiotech,MN,USA）.

注意事项（Note）

For research use only .