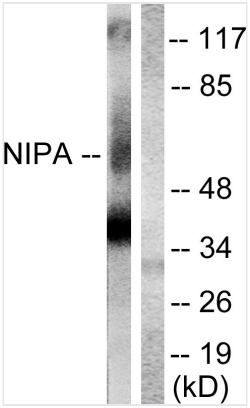
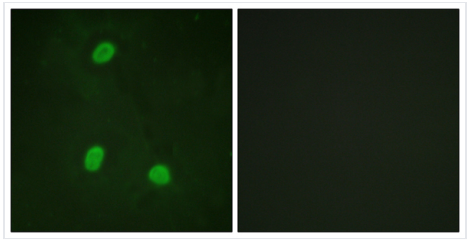
NIPA Antibody

PRODUCT OVERVIEW

Product Name	NIPA, Antibody
Full Product Name	NIPA (Ab-354) Antibody
Product Gene Name	anti-NIPA antibody
Product Synonym Names	Nuclear interacting partner of ALK; Nuclear-interacting partner of ALK; ZC3HC1
Species Reactivity	Human, Mouse, Rat
Form/Format	In phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Specificity	NIPA (Ab-354) antibody detects endogenous levels of total NIPA protein.
Preparation and Storage	Store at-20 degree C for 1 year.
Molecular Weight	47,771 Da
3D Structure	ModBase 3D Structure for Q86WB0
Immunogen	The antiserum was produced against synthesized non-phosphopeptide derived from human NIPA around the phosphorylation site of serine 354 (T-R-SP-W-D).
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NIPA antibody	Western Blot (WB), Immunofluorescence (IF), ELISA (EIA)
Application Notes for anti-NIPA antibody	WB: 1:500~1:1000 IF: 1:100~1:500 ELISA: 1:40000
Related Product Information for anti-NIPA antibody	MBS8509790 is an antibody targeting NIPA. Also known as NIPA (Ab-354) Antibody. Reactive in Human, Mouse, Rat.
Product References and Citations for anti-NIPA antibody	Ouyang T., J. Biol. Chem. 278:30028-30036(2003). Zhang Q.-H., Genome Res. 10:1546-1560(2000). Ota T., Nat. Genet. 36:40-45(2004).
Other Notes	Small volumes of anti-NIPA antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Testing Data of anti-NIPA antibody



Western Blot (WB) of anti-NIPA antibody
Peptide-+ Western blot analysis of extracts from COS7 cells, treated with HU (2nM, 24hours), using NIPA (Ab-354) antibody. Immunofluorescence analysis of HeLa cells, using NIPA (Ab-354) antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NIPA. It may not necessarily be applicable to this product.

NCBI GI #	532524948
NCBI GeneID	51530
NCBI Accession #	NP_001269119.1
UniProt Primary Accession #	Q86WB0
UniProt Secondary Accession #	Q75MF3; Q75MF4; Q8N330; Q96F75; Q9HA34; Q9NVX4; Q9P0R0; A6NH66
UniProt Related Accession #	Q86WB0
GenBank Nucleotide #	NM_001282190.1
NCBI Official Full Name	nuclear-interacting partner of ALK isoform 2
NCBI Official Synonym Full Names	zinc finger C3HC-type containing 1
NCBI Official Symbol	ZC3HC1
NCBI Official Synonym Symbols	NIPA; HSPC216
UniProt Protein Name	Nuclear-interacting partner of ALK
UniProt Synonym Protein Names	Nuclear-interacting partner of anaplastic lymphoma kinase; hNIPA; Zinc finger C3HC-type protein 1
Protein Family	NIPA-like protein
UniProt Gene Name	ZC3HC1
UniProt Synonym Gene Names	NIPA; hNIPA
NCBI Protein Information	nuclear-interacting partner of ALK
NCBI Summary for NIPA	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]
UniProt Comments for NIPA	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.
Research Articles on NIPA	**1.** Common nonsynonymous coding variant in ZC3HC1 (rs11556924) is associated with protection from coronary artery disease.

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