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Product datasheet for TA392954

NIPA (ZC3HC1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500~1:1000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic phosphopeptide derived from human NIPA around the phosphorylation site of Serine 354
Specificity:	p-NIPA (S354) pAb detects endogenous levels of NIPA protein only when phosphorylated at Ser354.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 60-65 kDa
Gene Name:	zinc finger C3HC-type containing 1
Database Link:	Entrez Gene 51530 Human Q86WB0
Background:	Entry into mitosis is essentially driven by cyclin B1 which is located in the cytoplasm throughout interphase, but accumulates in the nucleus just before mitosis occurs. Nuclear Interaction Partner of ALK (NIPA) plays a critical role in cyclin B1 regulation. NIPA is normally phosphorylated during G2 and M phases, resulting in an accumulation of cyclin B1. When NIPA sheds its attached phosphate, it binds to SCF to form the SCFNIPA complex, a member of the E3 ubiquitin ligases, which ubiquitinates cyclin B1, thereby targeting it to the proteosome for degradation.

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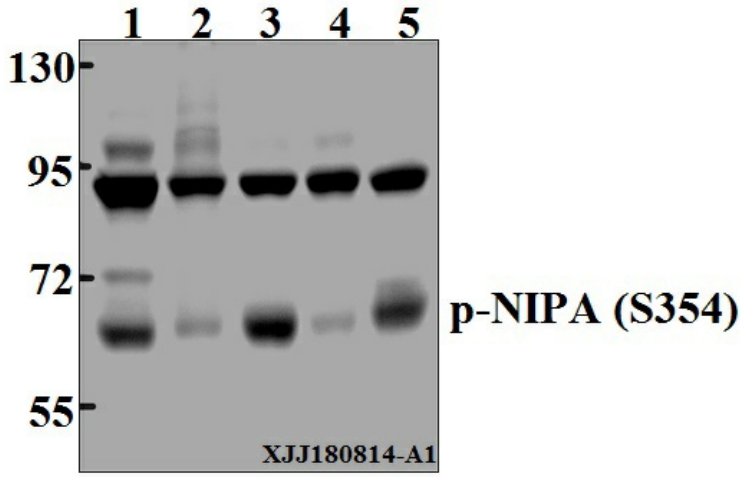
Synonyms: hNIPA; HSPC216; NIPA; Nuclear-interacting partner of ALK; Nuclear-interacting partner of anaplastic lymphoma kinase; ZC3HC1; Zinc finger C3HC-type protein 1

Note: For research use only, not for use in diagnostic procedure.

Product images:



Western blot (WB) analysis of p-NIPA (S354) pAb at 1:500 dilution Lane1:Hela whole cell lysate(40µg) Lane2:SK-OVCAR3 whole cell lysate(40µg) Lane3:MCF-7 whole cell lysate(40µg) Lane4:C6 whole cell lysate(40µg) Lane5:CT-26 whole cell lysate(40µg)