

NIPA (phospho-S354) polyclonal antibody

Catalog: BS4601

Host: Rabbit

Reactivity: Human, Mouse, Rat

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 proteasome for degradation.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

Molecular Weight:

~ 60-65 kDa

Swiss-Prot:

Q86WB0

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

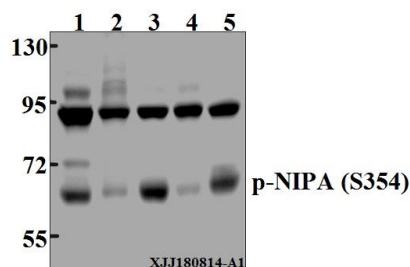
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

p-NIPA (S354) pAb detects endogenous levels of NIPA protein only when phosphorylated at Ser354.

DATA:



Western blot (WB) analysis of p-NIPA (S354) pAb at 1:500 dilution

Lane1:Hela whole cell lysate(40 µg)

Lane2:SK-OVCAR3 whole cell lysate(40 µg)

Lane3:MCF-7 whole cell lysate(40 µg)

Lane4:C6 whole cell lysate(40 µg)

Lane5:CT-26 whole cell lysate(40 µg)

Note:

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

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