

NPM (phospho-T234) polyclonal antibody

Catalog: BS4656

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Nucleophosmin (NPM; also known as B23, numatrin or NO38) is an abundant phosphoprotein primarily found in nucleoli. It has been implicated in several distinct cellular functions, including assembly and transport of ribosomes, cytoplasmic/nuclear trafficking, regulation of DNA polymerase α activity, centrosome duplication and molecular chaperoning activities. The NPM gene is also known for its fusion with the anaplastic lymphoma kinase (ALK) receptor tyrosine kinase. The NPM portion contributes to transformation by providing a dimerization domain, which results in activation of the fused kinase.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

Molecular Weight:

~ 38 kDa

Swiss-Prot:

P06748

Purification&Purity:

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

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

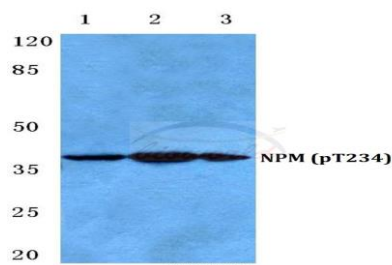
Storage&Stability:

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

Specificity:

p-NPM (T234) polyclonal antibody detects endogenous levels of NPM protein only when phosphorylated at Thr234.

DATA:

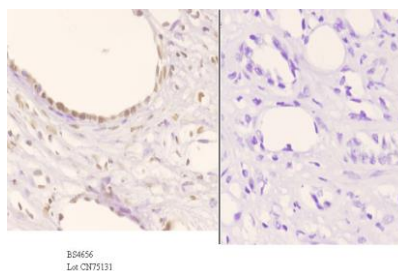


Western blot (WB) analysis of p-NPM1 (T234) polyclonal antibody at 1:500 dilution

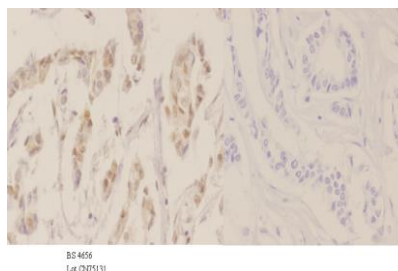
Lane1:MCF-7 cell lysate treated with colchicine(0.2 μ g/ML,24h)

Lane2:Raw264.7 cell treated with colchicine(0.2 μ g/ML,24h)

Lane3:PC12 cell lysate treated with colchicine(0.2 μ g/ML,24h)



Immunohistochemistry (IHC) analyzes of p-NPM (T234) pAb in paraffin-embedded human kidney carcinoma tissue at 1:50. showing nucleus staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



Immunohistochemistry (IHC) analyzes of p-NPM (T234) pAb in paraffin-embedded human breast carcinoma tissue at 1:50. showing Nucleus staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

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PRODUCT DATA SHEET

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Note:

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

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