Rabbit anti Nucleophosmin Polyclonal Antibody

Alternative Name(s): nan

Order Information

- **Description:** Nucleophosmin (NPM)
- **Catalogue:** 630-560
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB
- **Reactivity:** Hu, Ms, Rt, Bv

ANTIGEN PREPARATION

A mixture of the synthetic peptides of AEAMNYEG-S*(PO3H2)-PIKVTLAT and AEAMNYEGSPIKVTLAT. This sequence is identical to human, mouse, rat.

BACKGROUND

Nucleophosmin (NPM) is a member of the nucleophosmin/nucleoplasmin family that shuttles between the nucleus and cytoplasm. This protein regulates the stability and transcriptional activity of p53 and acts as a molecular chaperone. It preferentially binds to denatured proteins and has been shown to stimulate DNA polymerase activity and control the duplication of centrosomes. The chaperone activity of nucleophosmin is regulated by protein kinase CK2 and promotes the release of denatured substrates from nucleophosmin. The phosphorylation of NPM is associated in its interaction with nucleolar proteins including nucleolin, protein P120, HIV-1 Rev protein, and hepatitis delta antigens.

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes human Nucleophosmin (NPM) protein. It cross reacts to human, mice and rat.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at –20oC to –70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 35.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS

REFERENCES

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