

Product: Anti-NPM
Catalog #: 01-2465
Amount: 200 µl

CATEGORY: Mouse monoclonal
CLONE DETERMINATION: 5E3
IMMUNOGLOBULIN CLASS: Mouse IgG_{2b} heavy chain and kappa light chain
FORM: Purified, in PBS, pH 7.4, containing 0.1% sodium azide
IMMUNOGEN: Recombinant human NPM (81-294aa) purified from *E. coli*
PURIFICATION: Protein G affinity chromatography, from ascites
DESCRIPTION/SPECIFICITY: Nucleophosmin (NPM; also known as B23, NO38, or numatrin) is a nucleolar phosphoprotein that binds the tumor suppressors p53 and p19^{Arf} and is thought to be indispensable for ribogenesis, cell proliferation, and survival after DNA damage. Nucleophosmin is upregulated in many cancer cell

ANTIGEN RECOGNIZED IN SPECIES (tested so far):

Human

APPLICATION (tested so far):

ELISA, Immunoblotting (western, ECL)

WORKING DILUTION:

Western Blot: 1:100-1:200

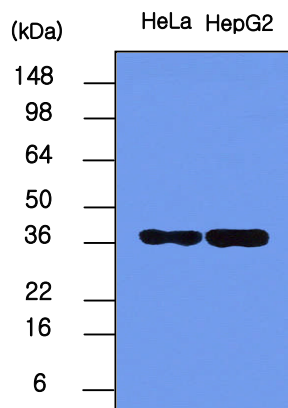
STORAGE:

Optimal dilution should be performed by serial dilution
2-8°C for immediate use; or at -20°C (aliquot)

REFERENCES:

Aliprantis AO *et al.* (1999) *Science* 285:736-739
Matsuguchi T *et al.*, (2000) *J Immunol.* 165(10): 5767-5772
Takeda K *et al.*, (2003) *annurev. Immunol.* 21:335-376
Janeway, C. A. *et al.*, (2002) *Annu. Rev. Immunol.* 20:197
Yang RB, *et al.*, (1998) *Nature* 395(6699) 284-288

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Western blot analysis

The HeLa and HepG2 cell lysates (5ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human NPM (1:200). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system

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