

Datasheet: VPA00058

Description:	GOAT ANTI NPM
Specificity:	NPM
Other names:	Nucleophosmin
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
Quantity:	100 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Goat polyclonal antibody purified by affinity chromatography

Buffer Solution

TRIS buffered saline

Preservative Stabilisers

0.02% Sodium Azide (NaN₃)
0.5% Bovine Serum Albumin

Immunogen Peptide with sequence C-QEAIQDLWQWRKSL from the C terminus of the protein sequence.

External Database Links

UniProt:

[P06748](#) [Related reagents](#)

Entrez Gene:

[4869](#) NPM1 [Related reagents](#)

Synonyms NPM

Specificity **Goat anti Human NPM antibody** recognizes NPM, also known as nucleophosmin. NPM is a major nucleolar phosphoprotein expressed at notably higher levels in proliferating and tumor cells, compared to resting cells. It plays important roles in ribosome biogenesis, centrosome duplication and cell proliferation.

NPM is a mobile protein which shuttles between the nucleolus and cytoplasm depending upon growth conditions and ATP/GTP levels, and is also influenced by cytotoxic drugs including actinomycin D and camptothecin. NPM interacts with numerous proteins including p19^{ARF}, transcription factor YY1 and nucleolar p120, and is known to regulate the stability and transcriptional activity of p53, a tumor suppressor protein activated in response to DNA damage, capable of inducing cell cycle arrest and apoptosis.

Goat anti Human NPM antibody detects nucleophosmin as a single band of 38 kDa in a range of human cell lysates tested.

Western Blotting Goat anti NPM detects a band of approximately 38 kDa in K562 cell lysates.

Storage Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Guarantee 12 months from date of despatch

Acknowledgements PrecisionAb is a trademark of Bio-Rad Laboratories.

Health And Safety Information Material Safety Datasheet documentation #10058 available at: Antibody (10058): <https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Donkey Anti Sheep IgG (STAR88...) [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M370462:200529'

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