

Datasheet: VPA00058

BATCH NUMBER 091014

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	0.02% Sodium Azide (NaN ₃)

Stabilisers	0.5% Bovine Serum Albumin
Immunogen	Peptide with sequence C-QEAIQDLWQWRKSL from the C terminus of the protein sequence.
External Database Links	<p>UniProt: P06748 Related reagents</p> <p>Entrez Gene: 4869 NPM1 Related reagents</p>
Synonyms	NPM
Specificity	<p>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.</p> <p>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.</p> <p>Goat anti Human NPM antibody detects nucleophosmin as a single band of 38 kDa in a range of human cell lysates tested.</p>
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: https://www.bio-rad-antibodies.com/SDS/VPA00058 Antibody (10058)
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com	To find a
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batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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