

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

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. 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 dependant on sample type.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	Goat polyclonal antibody purified by affinity chromatography
Buffer Solution	TRIS buffered saline
Preservative Stabilisers	0.02% Sodium Azide (NaN ₃) 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.
Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Shelf Life	As supplied, 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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