

Datasheet: AHP2170

**BATCH NUMBER 030714**

<b>Description:</b>	GOAT ANTI HUMAN NOXA
<b>Specificity:</b>	NOXA
<b>Other names:</b>	PMAIP1
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/16000
Immunoprecipitation			▪	
Western Blotting	▪			0.03 - 0.1ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antiserum to human NOXA was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.
<b>Buffer Solution</b>	TRIS buffered saline
<b>Preservative Stabilisers</b>	0.02% Sodium Azide (NaN <sub>3</sub> ) 0.5% Bovine Serum Albumin
<b>Approx. Protein</b>	IgG concentration 0.5mg/ml

## Concentrations

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**Immunogen** Synthetic peptide sequence C-TQLRRFGDKLNFRQK from the internal region of Noxa (NP\_066950.1).

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## External Database

### Links

**UniProt:**[Q13794](#)[Related reagents](#)**Entrez Gene:**[5366](#)

PMAIP1

[Related reagents](#)

### Synonyms

NOXA

### RRID

AB\_10672545

### Specificity

**Goat anti Human Noxa antibody** recognizes human Noxa, a mitochondrial localised protein and member of the BH3-only proapoptotic protein family, which is up-regulated by p53, IFNbeta, phorbol esters, dsRNA and viruses, and acts as promoter of caspase and apoptosis activation.

Noxa is a transcriptional target of p53, p73 and BH3-only proteins, and competes with, and displaces, the proapoptotic proteins BAK1, and BIM, from the antiapoptotic protein MCL1 (Bcl-2-related protein EAT/mcl1), thereby influencing apoptosis versus cell survival.

### Western Blotting

AHP2170 detects a band of approximately 16kDa in human cerebellum cell lysates.

Suitable loading control:

Goat anti Human GAPDH; product code([AHP1064](#))

### References

1. Yu, S.J. *et al.* (2013) MicroRNA-200a promotes anoikis resistance and metastasis by targeting YAP1 in human breast cancer. [Clin Cancer Res. 19 \(6\): 1389-99.](#)
2. Ikezoe, T. *et al.* (2010) p53 is critical for the Aurora B kinase inhibitor-mediated apoptosis in acute myelogenous leukemia cells. [Int J Hematol. 91: 69-77.](#)

### Storage

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

### Guarantee

12 months from date of despatch

### Health And Safety Information

Material Safety Datasheet documentation #10058 available at: <https://www.bio-rad-antibodies.com/SDS/AHP2170>  
10058

### Regulatory

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto: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](mailto: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](mailto:antibody_sales_de@bio-rad.com)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

'M364127:200529'

**Printed on 01 Mar 2024**

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