

Datasheet: AHP2170

Description:	GOAT ANTI HUMAN NOXA
Specificity:	NOXA
Other names:	PMAIP1
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Target Species	Human
Product Form	Purified IgG - liquid
Antiserum Preparation	Antiserum to human NOXA was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.
Buffer Solution	TRIS buffered saline
Preservative	0.02% Sodium Azide (NaN ₃)
Stabilisers	0.5% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.5mg/ml
Immunogen	Synthetic peptide sequence C-TQLRRFGDKLNFRQK from the internal region of Noxa (NP_066950.1).
External Database	UniProt:

Links

[Q13794](#) [Related reagents](#)

Entrez Gene:

[5366](#) PMAIP1 [Related reagents](#)

Synonyms

NOXA

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.

Shelf Life

18 months from date of despatch.

Health And Safety Information

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

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

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