

## Datasheet: AHP727

<b>Description:</b>	RABBIT ANTI PUMA
<b>Specificity:</b>	PUMA
<b>Other names:</b>	PUMA
<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 (1)	▪			10 ug/ml
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			2ug/ml - 4ug/ml

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

**(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.**

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Based on sequence similarity, is expected to react with: Mouse <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antisera to human Bcl-2 binding component 3 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.02% Sodium Azide
<b>Approx. Protein</b>	IgG concentration 1.0 mg/ml

## Concentrations

---

**Immunogen** Synthetic peptide ARARQEGSSPEPVEG corresponding to the N-terminus of human Bcl-2 binding component 3.

---

## External Database Links

**UniProt:**

[Q9BXH1](#) [Related reagents](#)

**Entrez Gene:**

[27113](#) [BBC3](#) [Related reagents](#)

---

**Synonyms** PUMA

---

**Specificity** **Rabbit anti PUMA antibody** recognizes the p53 - upregulated modulator of apoptosis, also known as Bcl-2 binding component 3, JFY-1 or Bcl-2. PUMA is a 193 amino acid ~20 kDa pro-apoptotic member of the BCL-2 family.

Bcl-2 binding component 3 is localised to the mitochondria, binds BCL-2 and induces cytochrome C release and apoptosis in response to p53 ([Follis et al. 2013](#)). Four isoforms of PUMA have been described due to alternative splicing. Rabbit anti PUMA antibody is expected to recognize the canonical isoform 1, also known as PUMA alpha, it is not expected to recognize any of the other isoforms of PUMA.

---

## Histology Positive Control Tissue

Human breast carcinoma

---

## Western Blotting

AHP727 detects a band of approximately 23kDa in K562 cell lysates.

---

## References

1. Naderi, E.H. *et al.* (2009) Activation of cAMP signaling inhibits DNA damage-induced apoptosis in BCP-ALL cells through abrogation of p53 accumulation. [Blood. 114 \(3\): 608-18.](#)

---

## Further Reading

1. Nakano, K. & Vousden, K.H. (2001) PUMA, a novel proapoptotic gene, is induced by p53. [Mol Cell. 7 \(3\): 683-94.](#)

---

## Storage

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

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. 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 #10040 available at: 10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

---

## Regulatory

For research purposes only

---

## Related Products

## Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)  
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)  
Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)  
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),  
[DyLight®680](#), [DyLight®800](#)

## Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)  
[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)  
[TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
----------------------------------	---	------------------	---	---------------	---

'M279498:160115'

Printed on 01 May 2018

---

© 2018 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)