

Datasheet: AHP1178

**BATCH NUMBER 146185**

<b>Description:</b>	RABBIT ANTI HRK
<b>Specificity:</b>	HRK
<b>Other names:</b>	DP5
<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			▪	
Immunoprecipitation			▪	
Western Blotting	▪			2 - 5ug/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.

### Target Species

Human

### Species Cross Reactivity

Reacts with: Mouse, Rat

**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

### Antiserum Preparation

Antisera to HRK were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.02% Sodium Azide
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>Immunogen</b>	15 amino acid peptide from near the centre of human HRK (NP_003797).
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">O00198</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">8739</a>    HRK    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	BID3
<b>RRID</b>	AB_2248434
<b>Specificity</b>	<p><b>Rabbit anti HRK antibody</b> detects Harakiri (HRK), also known as Neuronal death protein DP5 or BH3-interacting domain-containing protein 3. HRK is a BH3 only protein of the Bcl-2 family, which promotes Bax dependent apoptosis. HRK regulates apoptosis through its interaction with the anti-apoptotic proteins Bcl-2 and Bcl-XL, and in conjunction to the mitochondrial pore forming protein p32. HRK is thought to have a specific role in initiating neuronal and haematopoietic cell apoptosis, in particular to growth factor deprivation.</p> <p>Aberrant methylation of HRK is frequently detected in primary colorectal cancers. Despite its predicted molecular weight of ~18 kDa, HRK often migrates at ~12-15 kDa.</p>
<b>Western Blotting</b>	AHP1178 detects a band of approximately 13kDa in mouse pancreas tissue lysate.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Nakamura M. <i>et al.</i> (2005) Frequent HRK inactivation associated with low apoptotic index in secondary glioblastomas. <a href="#">Acta Neuropathol (Berl). 110: 402-410.</a></li> <li>2. Sanz, C. <i>et al.</i> (2001) Interleukin 3-dependent activation of DREAM is involved in transcriptional silencing of the apoptotic Hrk gene in hematopoietic progenitor cells. <a href="#">EMBO J. 20: 2286-2292.</a></li> <li>3. Rizvi, F. <i>et al.</i> (2011) Mitochondrial dysfunction links ceramide activated HRK expression and cell death. <a href="#">PLoS One. 6: e18137.</a></li> </ol>
<b>Further Reading</b>	1. Sunayama, J. <i>et al.</i> (2004) Physical and functional interaction between BH3-only protein Hrk and mitochondrial pore-forming protein p32. . <a href="#">Cell Death Differ. 11: 771-781</a>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>

<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP1178">https://www.bio-rad-antibodies.com/SDS/AHP1178</a> 10040
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
- Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
- Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

### Recommended Useful Reagents

[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>
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'M363835:200529'

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