

Datasheet: AHP1178T

Description:	RABBIT ANTI HRK
Specificity:	HRK
Other names:	DP5
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

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			▪	
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.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	15 amino acid peptide from near the centre of human HRK (NP_003797).
External Database Links	<p>UniProt: O00198 Related reagents</p> <p>Entrez Gene: 8739 HRK Related reagents</p>
Synonyms	BID3
RRID	AB_2119149
Specificity	<p>Rabbit anti HRK antibody 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>
Western Blotting	AHP1178 detects a band of approximately 13kDa in mouse pancreas tissue lysate.
References	<ol style="list-style-type: none"> 1. 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. EMBO J. 20: 2286-2292. 2. Rizvi, F. <i>et al.</i> (2011) Mitochondrial dysfunction links ceramide activated HRK expression and cell death. PLoS One. 6: e18137.
Further Reading	1. Sunayama, J. <i>et al.</i> (2004) Physical and functional interaction between BH3-only protein Hrk and mitochondrial pore-forming protein p32. . Cell Death Differ. 11: 771-781
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch

**Health And Safety
Information**

Material Safety Datasheet documentation #10040 available at:
<https://www.bio-rad-antibodies.com/SDS/AHP1178T>
10040

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

**North & South
America** Tel: +1 800 265 7376
Fax: +1 919 878 3751
Email: 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

Europe Tel: +49 (0) 89 8090 95 21
Fax: +49 (0) 89 8090 95 50
Email: antibody_sales_de@bio-rad.com

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