

Datasheet: AHP1178

Description:	RABBIT ANTI HRK
Specificity:	HRK
Other names:	DP5
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			▪	
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	0.02% Sodium Azide
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_2248434
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. Nakamura M. <i>et al.</i> (2005) Frequent HRK inactivation associated with low apoptotic index in secondary glioblastomas. Acta Neuropathol (Berl). 110: 402-410. 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. EMBO J. 20: 2286-2292. 3. 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:
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](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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

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