

## Datasheet: AHP1175

<b>Description:</b>	RABBIT ANTI CASPASE-14 (C-TERMINAL)
<b>Specificity:</b>	CASPASE-14 (C-TERMINAL)
<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	▪			1 - 2ug/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

### Species Cross Reactivity

Reacts with: Rat, Mouse

**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 Caspase-14 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

### Buffer Solution

Phosphate buffered saline

<b>Preservative Stabilisers</b>	0.02% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 1 mg/ml
<b>Immunogen</b>	A 16 amino acid peptide from near the carboxy-terminus of human Caspase-14.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P31944</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">23581</a>    CASP14    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_844584
<b>Specificity</b>	<p><b>Rabbit anti Human Cspase-14 antibody</b> recognizes the C-terminal (CT) region of human caspase-14; a ~27 kDa cysteine protease which is activated by zymogen processing during cellular differentiation. It is highly expressed by keratinocytes and trophoblast cells of the placenta, with lower expression in the choroid plexus, the pigmented layer of the retina, and hair follicles.</p> <p>Expression of the caspase-14 gene has recently been identified in epithelial tumours, including cervical and bladder carcinoma. The biological function of caspase-14 in tumour and normal tissue remains to be classified.</p>
<b>Western Blotting</b>	AHP1175 detects a band of approximately 27kDa in Jurkat cell lysates.
<b>Further Reading</b>	<ol style="list-style-type: none"> <li>1. Park, K. <i>et al.</i> (2006) Expression and characterization of constitutively active human caspase-14. <a href="#">Biochem Biophys Res Commun. 347 (4): 941-8.</a></li> <li>2. Koenig, U. <i>et al.</i> (2005) Aberrant expression of caspase-14 in epithelial tumors. <a href="#">Biochem Biophys Res Commun. 335 (2): 309-13.</a></li> <li>3. White, L. <i>et al.</i> (2007) Caspase-14: a new player in cytotrophoblast differentiation. <a href="#">Reprod Biomed Online. 14 (3): 300-7.</a></li> </ol>
<b>Storage</b>	<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>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: 10040: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>
<b>Regulatory</b>	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](#)

### Recommended Useful Reagents

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

**North & South** Tel: +1 800 265 7376

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Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

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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://bio-rad-antibodies.com/datasheets)  
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