

Datasheet: AHP1175

Description:	RABBIT ANTI CASPASE-14 (C-TERMINAL)
Specificity:	CASPASE-14 (C-TERMINAL)
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	■			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.
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
Preservative Stabilisers	0.02% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 0.5mg/ml
Immunogen	A 16 amino acid peptide from near the carboxy-terminus of human Caspase-14.

**External Database
Links**

UniProt:

[P31944](#) [Related reagents](#)

Entrez Gene:

[23581](#) CASP14 [Related reagents](#)

Specificity

Rabbit anti Human Cspase-14 antibody 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.

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.

Western Blotting

AHP1175 detects a band of approximately 27kDa in Jurkat cell lysates.

Further Reading

1. Park, K. *et al.* (2006) Expression and characterization of constitutively active human caspase-14. [Biochem Biophys Res Commun. 347 \(4\): 941-8.](#)
2. Koenig, U. *et al.* (2005) Aberrant expression of caspase-14 in epithelial tumors. [Biochem Biophys Res Commun. 335 \(2\): 309-13.](#)
3. White, L. *et al.* (2007) Caspase-14: a new player in cytotrophoblast differentiation. [Reprod Biomed Online. 14 \(3\): 300-7.](#)

Storage

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

Storage in frost-free freezers is not recommended.

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.

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

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

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
'M294353:160929'

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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