

## Datasheet: AHP1207

<b>Description:</b>	RABBIT ANTI HUMAN INTERLEUKIN-32 (C-TERMINAL)
<b>Specificity:</b>	IL-32 (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	▪			5 - 15ug/ml
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			5 - 10ug/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.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	<p>Reacts with: Mouse</p> <p><b>N.B.</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.</p>
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Antisera to human IL-32 (CT) were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.02% Sodium Azide

## Stabilisers

### Approx. Protein Concentrations

IgG concentration 1.0 mg/ml

### Immunogen

A 15 amino acid peptide located near human IL-32 carboxy terminus.

### External Database Links

#### UniProt:

[P24001](#)

[Related reagents](#)

#### Entrez Gene:

[9235](#)

IL32

[Related reagents](#)

### Synonyms

NK4, TAIF

### RRID

AB\_844625

### Specificity

**Rabbit anti Human Interleukin-32 antibody** recognises IL-32, a ~26 kDa cytokine, thought to play a role in innate and adaptive immune responses. IL-32 is produced by mitogen-activated lymphocytes, interferon-gamma activated epithelial cells and IL-12, IL-18, IL-32-activated NK cells. It is expressed at elevated levels after the activation of T-cells by mitogens or the activation of NK cells by IL-2. IL-32 activates NF-kappa-B and p38 MAPK cytokine signal pathways. TNF-alpha, IL-1beta, IL-6 and 2 C-X-C chemokine family members, all involved in autoimmune and inflammatory diseases, including rheumatoid arthritis are induced by IL-32.

### Western Blotting

AHP1207 detects a band/s of approximately 5-10ug/ml in human spleen cell lysates.

### Further Reading

1. Conti, P. (2007) Modulation of autoimmunity by the latest interleukins (with special emphasis on IL-32). [Autoimmun Rev. 6:131-7.](#)
2. Chen, Q. (2006) The newest interleukins: recent additions to the ever-growing cytokine family. [Vitam Horm. 74:207-28.](#)
3. Kim, S. (2005) Interleukin-32: a cytokine and inducer of TNFalpha. [Immunity. 22:131-42.](#)
4. Cagnard, N. (2005) Interleukin-32, CCL2, PF4F1 and GFD10 are the only cytokine/chemokine genes differentially expressed by in vitro cultured rheumatoid and osteoarthritis fibroblast-like synoviocytes. [Eur Cytokine Netw. 16:289-92.](#)

### Storage

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

This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

### Guarantee

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](#)

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

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

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

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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'M325618:180730'

**Printed on 09 Feb 2021**

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