

## Datasheet: AHP1396

<b>Description:</b>	GOAT ANTI HUMAN LEPTIN RECEPTOR
<b>Specificity:</b>	LEPTIN RECEPTOR
<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	▪			1/16000
Immunoprecipitation			▪	
Western Blotting	▪			1.0 - 3.0ug/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

Based on sequence similarity, is expected to react with: Dog  
**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

Antiserum to human leptin receptor was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.

### Buffer Solution

TRIS buffered saline

<b>Preservative</b>	0.02% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	0.5% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5mg/ml
<b>Immunogen</b>	Peptide sequence C-TQDDIEKHQSDAG from the internal region of leptin receptor (NP_002294.2; NP_001003679.1; NP_001003680.1).
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P48357</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">3953</a>    LEPR    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	DB, OBR
<b>RRID</b>	AB_2136358
<b>Specificity</b>	<p><b>Goat anti Human Leptin receptor antibody</b> recognizes the human leptin receptor, designated CD295, a type 1 transmembrane glycoprotein and member of the cytokine receptor family, which binds with high affinity to the adipocyte-specific hormone leptin, an obesity factor involved in the regulation of adipose-tissue mass/body weight through hypothalamic effects.</p> <p>The effects of leptin through binding to the long form of CD295 (LRb), are mediated via the JAK/STAT3 signalling pathway, and are vital for the regulation of the normal physiology of many cells, including food intake, lipid metabolism and energy expenditure. CD295-leptin signalling is also involved in the differential regulation of naive and memory T cell proliferation and promotes the release of pro-inflammatory cytokines, including interferon and interleukin-2.</p>
<b>Western Blotting</b>	AHP1396 detects a band of approximately 150kDa in human brain cell lysates.
<b>Further Reading</b>	1. Tartaglia, L.A. (1997) The leptin receptor. <a href="#">J Biol Chem. 272 (10): 6093-6.</a>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10058 available at: 10058: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf</a>
<b>Regulatory</b>	For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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

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Look out for updates on how to access your digital version at [bio-rad-antibodies.com](http://bio-rad-antibodies.com)

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