

Datasheet: AAR40

Description:	GOAT ANTI RAT LEPTIN
Specificity:	LEPTIN
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	▪			0.5 - 2.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/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	Rat
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Product Form	Purified IgG - lyophilised
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Reconstitution	<p>Reconstitute with 0.1ml distilled water</p> <p>Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. For long term storage the addition of 0.09% sodium azide is recommended.</p>
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Antiserum Preparation	Antiserum to rat Leptin were raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.
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Buffer Solution	Phosphate buffered saline
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Preservative	None present
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Stabilisers

Carrier Free Yes

Approx. Protein Concentrations IgG concentration 1.0mg/ml after reconstitution

Immunogen Recombinant rat leptin.

External Database Links**UniProt:**

[P50596](#) [Related reagents](#)

Entrez Gene:

[25608](#) Lep [Related reagents](#)

Synonyms Ob

RRID AB_2136211

Specificity **Goat anti Rat Leptin antibody** specifically recognizes rat leptin, a major adipose-derived hormone and member of the leptin family, which plays a key role in appetite control and the regulation of energy expenditure.

Leptin is a recognized marker of obesity, which signals through binding to the obesity receptor (OB-R) in the hypothalamus. Human studies have shown a correlation between circulating levels of leptin and body fat mass, and defects in leptin production result in severe obesity. Regulators of leptin expression include insulin, cortisol, cAMP and thiazolidinediones.

References

1. Hue-beauvais, C. *et al.* (2019) Impact of exposure to diesel exhaust during pregnancy on mammary gland development and milk composition in the rabbit. [PLoS One. 14 \(2\): e0212132.](#)

Storage

Prior to reconstitution store at -20°C.
After reconstitution store at -20°C.

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

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10162 available at: 10162: <https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

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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

'M372453:200706'

Printed on 22 Sep 2021

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