

Datasheet: 7770-5004G

BATCH NUMBER 150673

Description:	RABBIT ANTI RAT PROLACTIN
Specificity:	PROLACTIN
Other names:	PRL
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.25 ml

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	▪			1/50 - 1/200
Immunoprecipitation			▪	
Western Blotting			▪	

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
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to prolactin were raised by repeated immunisations of rabbit with highly purified antigen. IgG fraction prepared by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein	IgG concentration 5.0mg/ml

Concentrations

Immunogen	Purified rat prolactin from pituitary glands.
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External Database Links

UniProt:

[P01237](#)

[Related reagents](#)

Entrez Gene:

[24683](#)

Prl

[Related reagents](#)

RRID

AB_2237668

Specificity

Rabbit anti Rat prolactin antibody recognizes prolactin, a secreted protein with hormonal activity, which functions by binding to the prolactin receptor and positively regulating epithelial cell proliferation. Prolactin acts primarily on the mammary gland by promoting lactation, and has been shown to promote prostate epithelial cell proliferation([Ahonen et al. 1999](#)). Prolactin may also facilitate decidual growth and placentation. Prolactin belongs to the somatotropin/prolactin family.

References

1. Alam, S.M. *et al.* (2006) The rat prolactin gene family locus: species-specific gene family expansion. [Mamm Genome. 17 \(8\): 858-77.](#)
2. Gourdj, D. & Laverrière, J.N. (1994) The rat prolactin gene: a target for tissue-specific and hormone-dependent transcription factors. [Mol Cell Endocrinol. 100 \(1-2\): 133-42.](#)
3. Farris, G.M. *et al.* (2007) Recombinant rat and mouse growth hormones: risk assessment of carcinogenic potential in 2-year bioassays in rats and mice. [Toxicol Sci. 97: 548-61.](#)

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.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/7770-5004G>
10040

Regulatory

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](#)

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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
'M363439:200528'

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