

## Datasheet: 7770-5004G

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

## Product Details

**RRID** AB\_2237668

**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	▪			1/50 - 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<sub>3</sub>)

**Approx. Protein Concentrations** IgG concentration 5.0mg/ml

**Immunogen** Purified rat prolactin from pituitary glands.

**External Database****Links****UniProt:**[P01237](#) [Related reagents](#)**Entrez Gene:**[24683](#) PrI [Related reagents](#)**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**

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 (2AB02...) [Biotin](#)  
 Sheep Anti Rabbit IgG (STAR36...) [DyLight@488](#), [DyLight@680](#), [DyLight@800](#)

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