

## Anti-Prolactin Prl Antibody Picoband®

Catalog Number: RP1021

### About Prl

Prolactin (PRL) also known as luteotropic hormone (LTH) is a protein that in humans is encoded by the PRL gene. Prolactin is a peptide hormone discovered by Henry Friesen. Although it is perhaps best known for its role in lactation, prolactin already existed in the oldest known vertebrates-fishes-where its most important functions were probably related to control of water and salt balance. Prolactin also acts in a cytokine-like manner and as an important regulator of the immune system. Prolactin has important cell cycle related functions as a growth-, differentiating- and anti-apoptotic factor. As a growth factor binding to cytokine like receptors it has also profound influence on hematopoiesis, angiogenesis and is involved in the regulation of blood clotting through several pathways.

### Overview

Product Name	Anti-Prolactin Prl Antibody Picoband®
Reactive Species	Mouse
Description	Boster Bio Anti-Prolactin Prl Antibody catalog # RP1021. Tested in ELISA, WB applications. This antibody reacts with Mouse. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	Each vial contains 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Na <sub>3</sub> .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P06879

### Technical Details

Immunogen	E. coli-derived mouse Prolactin recombinant protein (Position: L30-C226).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized

Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	ELISA, 0.1-0.5ug/ml, - Western blot, 0.1-0.5ug/ml, Mouse

## Anti-Prolactin Prl Antibody Picoband® (RP1021) Images



Western blot analysis of Prolactin expression in mouse testis extract (lane 1). Prolactin at 26KD was detected using rabbit anti-Prolactin Antigen Affinity purified polyclonal antibody (Catalog # RP1021) at 0.5 ug/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).

## 4 Publications Citing This Product

1. PubMed ID: -, Xianglong Meng, Chenzi Lyu, Junnan Ma, Xiaoyan Zhang, Cong Hu, Xiaojuan Su, Chenxu Ning, Wenbin Xie, Shuosheng Zhang, "Metabolomics and Network Pharmacology-Based Investigation into the Mechanisms Underlying the Therapeutic Effect of a New Chinese Traditional Medicine (Cui Nai Ling) on Bromocriptine-Induced Hypogalactia", Evidence-Based Complementary and Alternative Medicine, vol.2021, Article ID 8857449, 17 pages, 2021. <https://doi.org/10.1155/2021/8857449>
2. PubMed ID: 27827961, Positive Regulation of Decidualization by I-Type Amino Acid Transporter 1 (lat1) in Pregnant Mice
3. PubMed ID: 24133591, MAPK/ERK signal pathway involved expression of COX-2 and VEGF by IL-1? induced in human endometriosis stromal cells in vitro

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