

## Anti-Prolactin/PRL Antibody Picoband®

Catalog Number: PB9361

### About PRL

Prolactin (PRL), also known as luteotropic hormone or luteotropin, is a protein that in humans is best known for its role in enabling female mammals to produce milk. This gene encodes the anterior pituitary hormone prolactin. This secreted hormone is a growth regulator for many tissues, including cells of the immune system. It may also play a role in cell survival by suppressing apoptosis, and it is essential for lactation. Alternative splicing results in multiple transcript variants that encode the same protein.

### Overview

Product Name	Anti-Prolactin/PRL Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-Prolactin/PRL Antibody Picoband® catalog # PB9361. Tested in ELISA, WB applications. This antibody reacts with Human. 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 antibody formulated with stabilizing components, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , and 0.05 mg NaN <sub>3</sub> . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
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	P01236

### Technical Details

Immunogen	E.coli-derived human Prolactin recombinant protein (Position: L29-227C). Human Prolactin shares 60% and 63% amino acid (aa) sequence identity with mouse and rat Prolactin, respectively.
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	Western blot, 0.1-0.5ug/ml, Human, - ELISA, 0.1-0.5ug/ml, -

## Anti-Prolactin/PRL Antibody Picoband® (PB9361) Images



Anti-Prolactin Picoband antibody, PB361, Western blotting All lanes: Anti Prolactin (PB9361) at 0.5ug/ml WB: MCF-7 Whole Cell Lysate at 40ug Predicted bind size: 25KD Observed bind size: 25KD

## 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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