

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.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
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.
Predicted Reactive Species	Hamster
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.



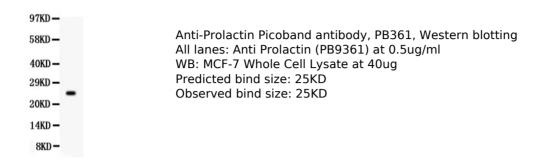
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Purification	Immunogen affinity purified.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Western blot, 0.1-0.5ug/ml, Human, - ELISA, 0.1-0.5ug/ml, Human



Anti-Prolactin/PRL Antibody Picoband™ (PB9361) Images



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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