

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 Na ₂ HPO ₄ , 0.05mg NaN ₃ .
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.

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

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

Visit bosterbio.com/anti-prolactin-picoband-trade-antibody-pb9361-boster.html to see all 4 publications.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-Prolactin/PRL Antibody™