BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

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.

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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 Na2HPO4, and 0.05 mg NaN3. *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

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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, -

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



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

6 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: 24228111, Huang F, Wang H, Zou Y, Liu Q, Cao J, Yin T. Int J Clin Exp Pathol. 2013 Oct 15;6(11):2487-96. Ecollection 2013. Effect Of Gnrh-Ii On The Esc Proliferation, Apoptosis And Vegf Secretion In Patients With Endometriosis In Vitro.

3. PubMed ID: 24228111, Huang F, Wang H, Zou Y, Liu Q, Cao J, Yin T. Int J Clin Exp Pathol. 2013 Oct 15;6(11):2487-96. Ecollection 2013. Effect Of Gnrh-Ii On The Esc Proliferation, Apoptosis And Vegf Secretion In Patients With Endometriosis In Vitro.

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