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Anti-Prolactin/PRL Antibody Picoband® Fluoro594 Conjugated

Catalog Number: PB9411-Fluoro594

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® Fluoro594 Conjugated
Reactive Species	Mouse
Application	Recommended applications are based on the parent unconjugated antibody (ELISA, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P06879

Technical Details

Immunogen	E. coli-derived mouse Prolactin recombinant protein (Position: L30-C226). Mouse Prolactin shares 59.8% and 84.8% amino acid (aa) sequence identity with human and rat Prolactin, respectively.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro594 Excitation Wavelength: 593 nm Emission Wavelength: 618 nm

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Suggested Dilutions	Optimal dilutions should be determined by end users.

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 l-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-pb9411-boster.html to see all 4 publications.