

Anti-Prolactin/PRL Antibody Picoband® Cy3 Conjugated

Catalog Number: PB9411-Cy3

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

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| Product Name | Anti-Prolactin/PRL Antibody Picoband® Cy3 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% Na ₂ HPO ₄ , 0.02% NaN ₃ . |
| 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

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| 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 | Cy3 Excitation Wavelength: 554 nm Emission Wavelength: 568 nm |

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 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 β induced in human endometriosis stromal cells in vitro

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