

**Anti-Prolactin Antibody**  
**Catalog # ABO12706****Specification**

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**Anti-Prolactin Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, E                  |
| Primary Accession | <a href="#">P06879</a> |
| Host              | Rabbit                 |
| Reactivity        | Mouse                  |
| Clonality         | Polyclonal             |
| Format            | Lyophilized            |

**Description**

Rabbit IgG polyclonal antibody for Prolactin(PRL) detection. Tested with WB, ELISA in Mouse.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-Prolactin Antibody - Additional Information****Other Names**

Prolactin, PRL, Prl

**Calculated MW**

25496 MW KDa

**Application Details**

ELISA , 0.1-0.5 µg/ml, Mouse, -<br>Western blot, 0.1-0.5 µg/ml, Mouse<br>

**Subcellular Localization**

Secreted.

**Protein Name**

Prolactin(PRL)

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg NaN<sub>3</sub>.

**Immunogen**

E. coli-derived mouse Prolactin recombinant protein(Position: L30-C226).

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins

**Storage**

**At -20°C for one year. After r°Constitution, at 4°C for one month. It°Can also be aliquotted and stored frozen at -20°C for a**

longer time. Avoid repeated freezing and thawing.

### Anti-Prolactin Antibody - Protein Information

**Name** Prl

**Function**

Prolactin acts primarily on the mammary gland by promoting lactation.

**Cellular Location**

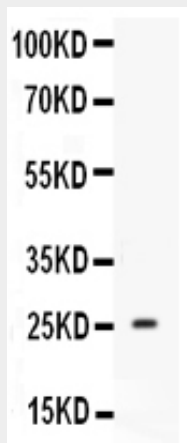
Secreted.

### Anti-Prolactin Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Anti-Prolactin Antibody - Images



Western blot analysis of Prolactin expression in mouse testis extract (lane 1). Prolactin at 26KD was detected using rabbit anti- Prolactin Antigen Affinity purified polyclonal antibody (Catalog # ABO12706) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .

### Anti-Prolactin Antibody - Background

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.