

Anti-Prolactin Antibody

Catalog # ABO12706

Product Information

Application	WB, E
Primary Accession	P06879
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.

Additional Information

Other Names	Prolactin, PRL, Prl
Calculated MW	25496
Application Details	ELISA , 0.1-0.5 µg/ml, Mouse, - Western blot, 0.1-0.5 µg/ml, Mouse
Subcellular Localization	Secreted.
Source	Eukaryota
Protein Name	Prolactin(PRL)
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
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.

Protein Information

Name	Prl
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Function	Prolactin acts primarily on the mammary gland by promoting lactation.
Cellular Location	Secreted.

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.

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 .

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