

Basic Information

Product Name	Anti-Prolactin/PRL Antibody	
Gene Name	PRL	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	mouse	
Tested Application	WB, ELISA	
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.	
Immunogen	E. coli-derived mouse Prolactin recombinant protein(Position: L30-C226).	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	26 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Enzyme linked immunosorbent assay (ELISA):	1:100-1000

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

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.

Reference

Anti-Prolactin/PRL Antibody被引用在2文献中。

Selected Validation Data



Western blot analysis of Prolactin/PRL using anti-Prolactin/PRL antibody (BA14521). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: mouse testis tissue lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-Prolactin/PRL antigen affinity purified polyclonal antibody (BA14521) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for Prolactin/PRL at approximately 26 kDa. The expected band size for Prolactin/PRL is at 25 kDa.