

Basic Information

Product Name	Anti-Prolactin/PRL Antibody
Gene Name	PRL
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, rat
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 human Prolactin recombinant protein (Position: L29-227C). Human Prolactin shares 60% and 63% amino acid (aa) sequence identity with mouse and rat Prolactin, respectively.
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 or luteotropin, is a protein that in humans is best known for its role in enabling female mammals to produce milk. This gene encodes the anterior pituitary hormone prolactin. This secreted hormone is a growth regulator for many tissues, including cells of the immune system. It may also play a role in cell survival by suppressing apoptosis, and it is essential for lactation. Alternative splicing results in multiple transcript variants that encode the same protein.

Reference

Anti-Prolactin/PRL Antibody被引用在6文献中。

Selected Validation Data



Western blot analysis of Prolactin/PRL using anti-Prolactin/PRL antibody (PB0364). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: Rat Brain 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 (PB0364) 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 26 kDa.