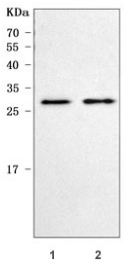
# Prolactin Antibody / PRL (RQ8144)

| Catalog No. | Formulation | Size |
|---|---|---|
| RQ8144 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose |
| **UniProt** | P01236 |
| **Applications** | Western Blot : 0.5-1ug/ml<br>Direct ELISA : 0.1-0.5ug/ml |
| **Limitations** | This Prolactin antibody is available for research use only. |




Western blot testing of 1) rat brain and 2) mouse brain tissue lysate with Prolactin antibody. Predicted molecular weight ~26 kDa.

## Description

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.

## Application Notes

Optimal dilution of the Prolactin antibody should be determined by the researcher.

## Immunogen

E. coli-derived recombinant human protein (amino acids A36-D206) was used as the immunogen for the Prolactin antibody.

## Storage

After reconstitution, the Prolactin antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.