

For Research Use Only

# Mouse Prolactin Recombinant antibody, PBS Only

Catalog Number: 85042-1-PBS



## Basic Information

Catalog Number:

85042-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NP\_035294.2

GeneID (NCBI):

19109

Full Name:

prolactin

Calculated MW:

26 kDa

Observed MW:

25 kDa

Purification Method:

Protein A purification

CloneNo.:

241771A5

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

mouse, rat

## Background Information

Prolactin is also named as PRL and belongs to the somatotropin/prolactin family. The proteins encoded by PRL are secreted into the cell surroundings. And they are abundantly expressed in pituitary gland, adenohypophysis, decidua and testis. Indeed, chemically, prolactin appears in a multiplicity of posttranslational forms ranging from size variants to chemical modifications such as phosphorylation or glycosylation. It is not only synthesized in the pituitary gland, as originally described, but also within the central nervous system, the immune system, the uterus and its associated tissues of conception, and even the mammary gland itself (PMID: 11015620). Prolactin acts primarily on the mammary gland by promoting lactation (PMID: 30546056).

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

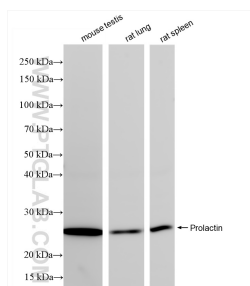
T: 4006900926

E: Proteintech-CN@ptglab.com

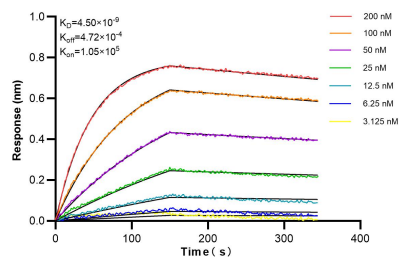
W: ptgcn.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85042-1-RR (Prolactin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85042-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 85042-1-RR against Mouse Prolactin were performed. The affinity constant is 4.50 nM.