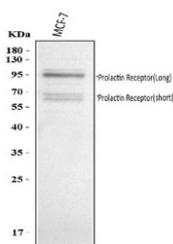


## PRLR Antibody / Prolactin Receptor (R31984)

Catalog No.	Formulation	Size
R31984	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	P16471
<b>Applications</b>	Western Blot : 0.5-1ug/ml
<b>Limitations</b>	This PRLR antibody is available for research use only.



Western blot testing of human MCF7 cell lysate with PRLR antibody. Expected molecular weight: 70-117 kDa depending on glycosylation level.

### Description

PRLR (Prolactin Receptor) is a cytokine receptor. By somatic cell hybrid analysis and by in situ hybridization, Arden et al. (1989, 1990) demonstrated that the prolactin receptor gene resides in the same chromosomal region as the growth hormone receptor gene, which has been mapped to 5p13-p12. Cunningham et al. (1990) demonstrated that zinc greatly increases the affinity of GH for the extracellular binding domain of PRLR, although it is not required for binding of GH to the growth hormone receptor or for binding of prolactin to the prolactin receptor. By mutational analysis, they showed that a cluster of 3 residues (histidine-18, histidine-21, and glutamic acid-174) in GH and histidine-188 in PRLR (conserved in all PRL receptors but not GH receptors) are likely zinc-ion ligands.

## Application Notes

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

## Immunogen

Amino acids HAKNVACFEESAKEAPPSLEQNQAEEKALANFTATSSKCRLQ of human PRLR were used as the immunogen for the PRLR antibody.

## Storage

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

## References (1)