10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

Anti-PRLR Picoband Antibody

Catalog # ABO12468

Specification

Anti-PRLR Picoband Antibody - Product Information

Application	**WB**
Primary Accession	P16471
Host	**Rabbit**
Reactivity	**Human**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Prolactin receptor(PRLR) detection. Tested with WB in Human.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-PRLR Picoband Antibody - Additional Information

Gene ID 5618

Other Names
Prolactin receptor, PRL-R, PRLR

Calculated MW
69506 MW KDa

Application Details
Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization
Membrane ; Single-pass type I membrane protein .

Tissue Specificity
Expressed in breast, placenta, kidney, liver and pancreas. .

Protein Name
Prolactin receptor

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen
A synthetic peptide corresponding to a sequence at the C-terminus of human PRLR (565-605aa HAKNVACFEESAKEAPPSLEQNQAEKALANFTATSSKCRLQ), different from the related mouse sequence by eleven amino acids, and from the related rat sequence by fourteen amino aci

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins.

Storage	**At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.**

Anti-PRLR Picoband Antibody - Protein Information

Name PRLR

Function
This is a receptor for the anterior pituitary hormone prolactin (PRL). Acts as a prosurvival factor for spermatozoa by inhibiting sperm capacitation through suppression of SRC kinase activation and stimulation of AKT. Isoform 4 is unable to transduce prolactin signaling. Isoform 6 is unable to transduce prolactin signaling.

Cellular Location
Membrane; Single-pass type I membrane protein

Tissue Location
Expressed in breast, placenta, kidney, liver and pancreas.

Anti-PRLR Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-PRLR Picoband Antibody - Images

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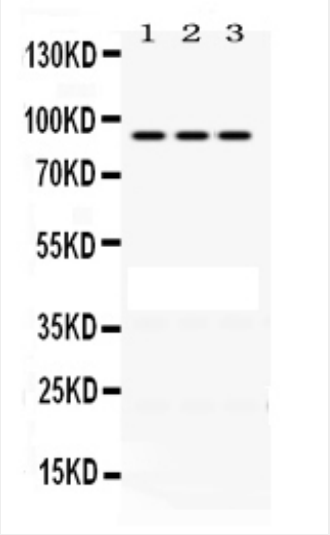

Anti-PRLR Picoband antibody, ABO12468, Western blottingAll lanes: Anti PRLR (ABO12468) at 0.5ug/mlLane 1: HELA Whole Cell Lysate at 40ugLane 2: SGC Whole Cell Lysate at 40ugLane 3: SW620 Whole Cell Lysate at 40ugPredicted bind size: 90KDObserved bind size: 90KD

Anti-PRLR Picoband Antibody - Background

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.