

## PRLR Polyclonal Antibody

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|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No :</b>          | YN2369                                                                                                                                                                     |
| <b>Reactivity :</b>          | Human                                                                                                                                                                      |
| <b>Applications :</b>        | WB;ELISA                                                                                                                                                                   |
| <b>Target :</b>              | PRLR                                                                                                                                                                       |
| <b>Fields :</b>              | >>Cytokine-cytokine receptor interaction;>>Neuroactive ligand-receptor interaction;>>PI3K-Akt signaling pathway;>>JAK-STAT signaling pathway;>>Prolactin signaling pathway |
| <b>Gene Name :</b>           | PRLR                                                                                                                                                                       |
| <b>Protein Name :</b>        | Prolactin receptor (PRL-R)                                                                                                                                                 |
| <b>Human Gene Id :</b>       | 5618                                                                                                                                                                       |
| <b>Human Swiss Prot No :</b> | P16471                                                                                                                                                                     |
| <b>Mouse Swiss Prot No :</b> | Q08501                                                                                                                                                                     |
| <b>Rat Swiss Prot No :</b>   | P05710                                                                                                                                                                     |
| <b>Immunogen :</b>           | Synthesized peptide derived from human protein . at AA range: 80-160                                                                                                       |
| <b>Specificity :</b>         | PRLR Polyclonal Antibody detects endogenous levels of protein.                                                                                                             |
| <b>Formulation :</b>         | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                             |
| <b>Source :</b>              | Polyclonal, Rabbit,IgG                                                                                                                                                     |
| <b>Dilution :</b>            | WB 1:500-2000 ELISA 1:5000-20000                                                                                                                                           |
| <b>Purification :</b>        | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                      |
| <b>Concentration :</b>       | 1 mg/ml                                                                                                                                                                    |

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| <b>Storage Stability :</b>    | -15°C to -25°C/1 year(Do not lower than -25°C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Observed Band :</b>        | 68kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Cell Pathway :</b>         | Cytokine-cytokine receptor interaction;Neuroactive ligand-receptor interaction;Jak_STAT;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Background :</b>           | This gene encodes a receptor for the anterior pituitary hormone, prolactin, and belongs to the type I cytokine receptor family. Prolactin-dependent signaling occurs as the result of ligand-induced dimerization of the prolactin receptor. Several alternatively spliced transcript variants encoding different membrane-bound and soluble isoforms have been described for this gene, which may function to modulate the endocrine and autocrine effects of prolactin in normal tissue and cancer. [provided by RefSeq, Feb 2011],                                                                                                                                                  |
| <b>Function :</b>             | domain:The box 1 motif is required for JAK interaction and/or activation.,domain:The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding.,function:This is a receptor for the anterior pituitary hormone prolactin (PRL). Isoforms 4 and 6 are unable to transduce prolactin signaling.,similarity:Belongs to the type I cytokine receptor family. Type 1 subfamily.,similarity:Contains 2 fibronectin type-III domains.,subcellular location:Isoform 7.,subunit:Interacts with SMARCA1. Interacts with GH1.,tissue specificity:Expressed in breast, placenta, kidney, liver and pancreas., |
| <b>Subcellular Location :</b> | Membrane ; Single-pass type I membrane protein .; [Isoform 7]: Secreted.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Expression :</b>           | Expressed in breast, placenta, kidney, liver and pancreas.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Products Images