SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-PRLR antibody

Catalog Number: SL6445R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	PRLR
Immunogen:	KLH conjugated synthetic peptide derived from human Prolactin Receptor: 251-350/622
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-2000) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human (predicted: Mouse, Rat)
Predicted MW.:	67kDa
Subcellular Location:	The cell membrane Secretory protein
Background:	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]. **Function:** This is a receptor for the anterior pituitary hormone prolactin (PRL). Isoform 4 is unable to transduce prolactin signaling. Isoform 6 is unable to transduce prolactin signaling. **Subunit:** Homodimer upon hormone binding. Interacts with SMARCA1. Interacts with GH1. Interacts with CSH. Interacts with NEK3 and VAV2 and this interaction is prolactin-dependent. **Subcellular Location:** Membrane; Single-pass type I membrane protein.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Isoform 7: Secreted. **Tissue Specificity:** Expressed in breast, placenta, kidney, liver and pancreas. **Similarity:** Belongs to the type I cytokine receptor family. Type 1 subfamily. Contains 2 fibronectin type-III domains. **Database links:** **Entrez Gene:** 100053793 Horse **Entrez Gene:** 5618 Human **Entrez Gene:** 414916 Pig **Entrez Gene:** 24684 Rat Omim: 176761 Human **SwissProt:** P16471 Human **SwissProt:** Q6JTA8 Pig **SwissProt:** P14787 Rabbit **SwissProt:** P05710 Rat **SwissProt:** O46561 Sheep **Unigene:** 368587 Human **Unigene:** 9757 Rat

[VALIDATION IMAGES]

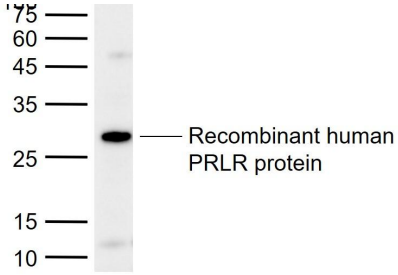


Figure 1. Sample: Lane 1: Recombinant human PRLR protein, N-His(SL42268P) Primary: Anti-PRLR (SL6445R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 67 kDa Observed band size: 28 kDa

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