

Rabbit Prolactin Receptor Polyclonal Antibody | anti-PRLR antibody

Anti-Prolactin Receptor antibody

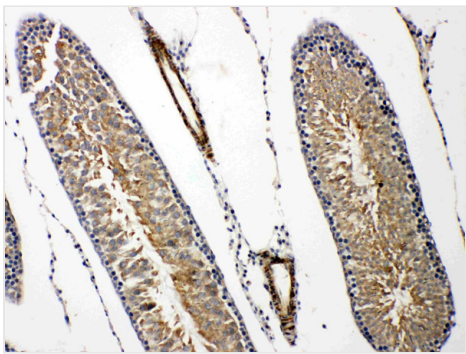
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45452	Rabbit	Reacts with: Human, Rat Predicted to work with: Mouse	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

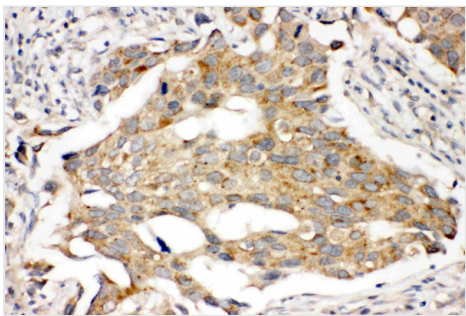
Prolactin Receptor; Polyclonal Antibody; Anti-Prolactin Receptor antibody; Prolactin receptor; prolactin receptor; A1987712 antibody; CLONE SPM213 antibody; CPRLP antibody; Delta 4-delta 7/11 truncated prolactin receptor antibody; Delta 4-SF1b truncated prolactin receptor antibody; hPRL receptor antibody; hPRLrl antibody; Lactogen receptor antibody; MGC105486 antibody; OPR antibody; OTTHUMP00000115998 antibody; Pr-1 antibody; Pr-3 antibody; PRL R antibody; PRL-R antibody; PRLR antibody; Prlr-rs1 antibody; PRLR_HUMAN antibody; Prolactin receptor a antibody; Prolactin receptor antibody; Prolactin receptor delta 7/11 antibody; RATPRLR antibody; Secreted prolactin binding protein antibody; Truncated testis-specific box 1-C prolactin receptor antibody; wu:fj65c07 antibody; anti-PRLR antibody

PRODUCT SPECIFICATIONS

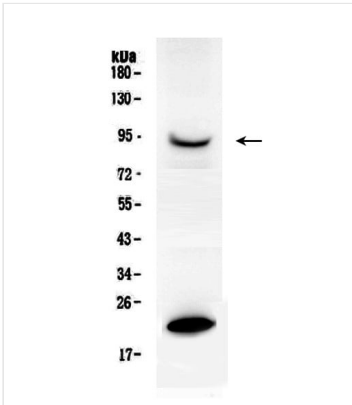
Host	Rabbit
Reactivity	Reacts with: Human, Rat Predicted to work with: Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized; Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Sequence Length	608
Applicable Applications for anti-PRLR antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse Prolactin Receptor (591-605aa QLGRLDYLDPTCFMH), identical to the related rat sequence, and different from the related human sequence by three amino acids.
Gene Name	Prolactin receptor
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



IHC (Immunohistochemisry)
Anti-PRLR antibody, AAA45452, IHC(P)IHC(P): Rat Testis Tissue



IHC (Immunohiostchemistry)
Anti-PRLR antibody, AAA45452, IHC(P)IHC(P): Human Mammary Cancer Tissue



WB (Western Blot)
Figure 1. Western blot analysis of PRLR using anti- PRLR antibody (AAA45452).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: rat PC-12 whole cell lysates.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti- PRLR antigen affinity purified polyclonal antibody at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for PRLR at approximately 90kD. The expected band size for PRLR is at 70kD.

ADDITIONAL INFORMATION

Related Product Information for anti-PRLR antibody	Description: Rabbit IgG polyclonal antibody for Prolactin receptor(PRLR) detection. Tested with WB, IHC-P in Human, Mouse, Rat. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	730343
NCBI GeneID	19116
UniProt Accession #	Q08501; P15212; P15213; Q62099

NCBI Official Full Name	Prolactin receptor
NCBI Official Synonym Full Names	prolactin receptor
NCBI Official Symbol	Prlr
NCBI Official Synonym Symbols	Pr-1; Pr-3; AI987712; Prlr-rs1
NCBI Protein Information	prolactin receptor; PRL-R; prolactin receptor related sequence 1
UniProt Protein Name	Prolactin receptor
UniProt Gene Name	Prlr
UniProt Synonym Gene Names	PRL-R
UniProt Entry Name	PRLR_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/prolactin-receptor-antibody-immunohistochemistry-western-blot-elisa/45452>