

Rabbit Prolactin Receptor Polyclonal Antibody | anti-PRLR antibody

Prolactin Receptor Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328943	Rabbit	Human, Mouse, RatPredicted Reactivity: Bovine(86%), Sheep(86%), Rabbit(88%)	ELISA

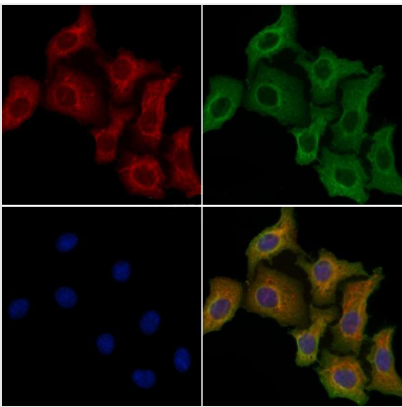
PRODUCT SYNONYMS

Prolactin Receptor; Polyclonal Antibody; Prolactin Receptor Antibody; AI987712; CLONE SPM213; CPRLP; Delta 4-delta 7/11 truncated prolactin receptor; Delta 4-SF1b truncated prolactin receptor; HPRL; hPRL receptor; hPRLrI; Lactogen receptor; MFAB; MGC105486; OPR; OTTHUMP00000115998; Pr-1; Pr-3; PRL R; PRL-R; PRLR; Prlr-rs1; PRLR_HUMAN; Prolactin receptor a; Prolactin receptor; Prolactin receptor delta 7/11; RATPRLR; Secreted prolactin binding protein; Truncated testis-specific box 1-C prolactin receptor; wu:fj65c07; anti-PRLR antibody

PRODUCT SPECIFICATIONS

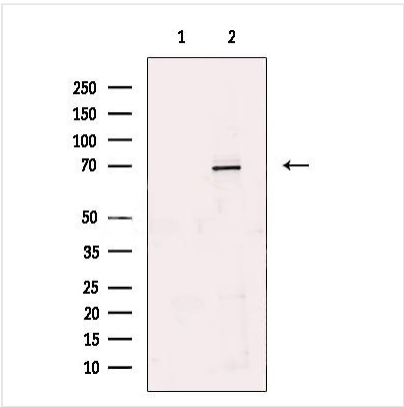
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Bovine(86%), Sheep(86%), Rabbit(88%)
Clonality	Polyclonal
Isotype	IgG
Specificity	Prolactin Receptor Antibody detects endogenous levels of total Prolactin Receptor.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	622
Applicable Applications for anti-PRLR antibody	ELISA
Immunogen	A synthesized peptide derived from human Prolactin Receptor, corresponding to a region within N-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA328943 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA328943) and mouse anti-beta tubulin Ab(T0023) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI (blue).



WB (Western Blot)

Western blot analysis of extracts from A431 cells, using Prolactin Receptor Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PRLR antibody	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.
	Subcellular Location: Membrane>Single-pass type I membrane protein. Secreted.
	Tissue Specificity: Expressed in breast, placenta, kidney, liver and pancreas.
	Subunit Structure: Homodimer upon hormone binding. Interacts with SMARCA1. Interacts with GH1. Interacts with CSH. Interacts with NEK3 and VAV2 and this interaction is prolactin-dependent.
	Similarity: The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding. The box 1 motif is required for JAK interaction and/or activation. Belongs to the type I cytokine receptor family. Type 1 subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506107
NCBI GeneID	5618
NCBI Accession #	NP_000940.1
NCBI GenBank Nucleotide #	NP_000940.1
UniProt Accession #	P16471
Molecular Weight	Observed Molecular Weight: (Observed)69kD. Predicted Molecular Weight: (Calculated)70kDa.
NCBI Official Full Name	prolactin receptor isoform 1
NCBI Official Synonym Full Names	prolactin receptor
NCBI Official Symbol	PRLR
NCBI Official Synonym Symbols	HPRL; MFAB; hPRLr; RI-PRLR
NCBI Protein Information	prolactin receptor

UniProt Protein Name	Prolactin receptor
UniProt Gene Name	PRLR
UniProt Synonym Gene Names	PRL-R
UniProt Entry Name	PRLR_HUMAN

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-elisa/328943>