

PRLR Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20518c

Specification

PRLR Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P16471
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	69506
Antigen Region	147-179

PRLR Antibody (Center) - Additional Information

Gene ID 5618

Other Names

Prolactin receptor, PRL-R, PRLR

Target/Specificity

This PRLR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 147-179 amino acids from the Central region of human PRLR.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PRLR Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

PRLR Antibody (Center) - 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

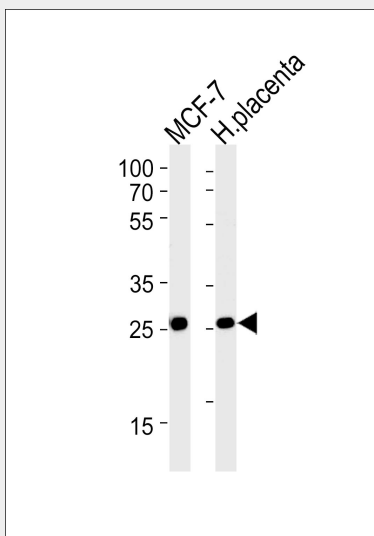
Tissue Location

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

PRLR Antibody (Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PRLR Antibody (Center) - Images

PRLR Antibody (Center) (Cat. #AP20518c) western blot analysis in MCF-7 cell line and human placenta tissue lysates (35ug/lane). This demonstrates the PRLR antibody detected the PRLR protein (arrow).

PRLR Antibody (Center) - Background

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.

PRLR Antibody (Center) - References

Boutin J.-M., et al. Mol. Endocrinol. 3:1455-1461(1989).
Kline J.B., et al. J. Biol. Chem. 274:35461-35468(1999).

Hu Z.-Z., et al. J. Clin. Endocrinol. Metab. 84:1153-1156(1999).
Hu Z.Z., et al. J. Biol. Chem. 276:41086-41094(2001).
Kline J.B., et al. Mol. Endocrinol. 16:2310-2322(2002).