

PRLR Blocking Peptide (Center)
Synthetic peptide
Catalog # BP20518c**Specification**

PRLR Blocking Peptide (Center) - Product Information

Primary Accession [P16471](#)

PRLR Blocking Peptide (Center) - Additional Information

Gene ID 5618

Other Names

Prolactin receptor, PRL-R, PRLR

Target/Specificity

The synthetic peptide sequence is selected from aa 167-179 of Human PRLR

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PRLR Blocking Peptide (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 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

PRLR Blocking Peptide (Center) - Images

PRLR Blocking Peptide (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 Blocking Peptide (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).