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PRLR Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20518c

Product Information

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

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.

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.

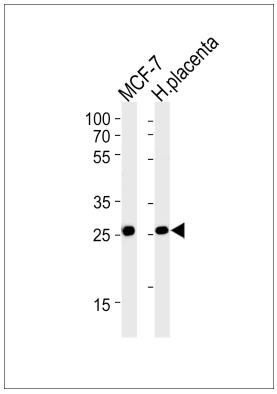
Background

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.

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).

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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.