PRL Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PRL, Polyclonal Antibody
Full Product Name	PRL, Phosphorylated (Ser163) (Prolactin) (MaxLight 750)
Product Gene Name	anti-PRL antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human PRL when phosphorylated at Ser163.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	23 kDa (200 aa), confirmed by MALDI-TOF.
OMIM	176760
3D Structure	ModBase 3D Structure for P01236
Immunogen	Synthetic phosphopeptide corresponding to amino acid residues surrounding Ser163 of human PRL (KLH).
Conjugate	MaxLight750
Antigen Modification	Phosphorylated
Note	Preservative Free
Product Categories/Family for anti-PRL antibody	Antibodies; Hormones; Steroids
Applications Tested/Suitable for anti-PRL antibody	FLISA, Dot Blot (DB)
Application Notes for anti-PRL antibody	FLISA: 1:1,000 Dot Blot: 1:500 Applications are based on unconjugated antibody.
Related Product Information for anti-PRL antibody	MBS6494653 is an antibody targeting PRL. Also known as PRL, Phosphorylated (Ser163) (Prolactin) (MaxLight 750). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-PRL antibody	1. Liu, M.L., Int J Artif Organs 31(4), 303-308 (2008). 2. Carver, K.C., Mol. Cancer Res. 6(4), 634-643 (2008). 3. Swaminathan, G., J. Endocrinol. 196(2), R1-R7 (2008).
Other Notes	Small volumes of anti-PRL antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PRL. It may not necessarily be applicable to this product.

NCBI GI #	4506105
NCBI GeneID	5617
NCBI Accession #	NP_000939
UniProt Primary Accession #	P01236
UniProt Secondary Accession #	Q15199; Q92996
UniProt Related Accession #	P01236
GenBank Nucleotide #	NM_000948.5
NCBI Official Full Name	prolactin
NCBI Official Synonym Full Names	prolactin
NCBI Official Symbol	PRL
NCBI Official Synonym Symbols	GHA1
UniProt Protein Name	Prolactin
Protein Family	Prolactin
UniProt Gene Name	PRL
UniProt Synonym Gene Names	PRL
UniProt Entry Name	PRL_HUMAN
NCBI Protein Information	prolactin
NCBI Summary for PRL	This gene encodes the anterior pituitary hormone prolactin. This secreted hormone is a growth regulator for many tissues, including cells of the immune system. It may also play a role in cell survival by suppressing apoptosis, and it is essential for lactation. Alternative splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Aug 2011]
UniProt Comments for PRL	prolactin: Prolactin acts primarily on the mammary gland by promoting lactation. Belongs to the somatotropin/prolactin family. Protein type: Secreted; Cytokine; Secreted, signal peptide; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 6p22.3 Cellular Component: extracellular region Molecular Function: protein binding; prolactin receptor binding; hormone activity Biological Process: lactation; cell proliferation; cell surface receptor linked signal transduction; regulation of multicellular organism growth; positive regulation of JAK-STAT cascade; female pregnancy
Research Articles on PRL	**1.** GABA alpha2 and/or alpha3 receptor subtypes are involved in GABAergic modulation of prolactin secretion.
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