Prolactin (PRL) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Prolactin (PRL), Polyclonal Antibody
Full Product Name	APC/CY7-Linked Polyclonal Antibody to Prolactin (PRL)
Product Gene Name	anti-PRL antibody
Product Synonym Names	LTH; Luteotropic Hormone
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse, Pig
Concentration	>=100ug/ml (lot specific)
Matching Pairs	Unconjugated Antibody: PRL (MBS2001414) APC-CY7 Conjugated Antibody: PRL (MBS2048549)
Matching Pairs	APC-CY7 Conjugated Antibody: PRL (MBS2048549) Immunogen: PRL (MBS2009595)
Molecular Weight	25,876 Da
OMIM	V00566 mRNA
3D Structure	ModBase 3D Structure for P01236
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen	PRL (Met1~Cys226)
Conjugation	APC-Cy7
Cross Reactivity	Mouse
Unconjugated Antibody	The unconjugated antibody version of this item is also available as catalog #MBS2001414
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-PRL antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (ELISA)
Related Product Information for anti-PRL antibody	MBS2048549 is an antibody targeting PRL. Also known as APC/CY7-Linked Polyclonal Antibody to Prolactin (PRL). Reactive in Mouse, Pig. Host: Rabbit.
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 #	254675133
NCBI GeneID	5617
NCBI Accession #	NP_001157030.1

UniProt Primary Accession #	P01236
UniProt Secondary Accession #	Q15199; Q92996
UniProt Related Accession #	P01236
GenBank Nucleotide #	NM_001163558.2
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
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: Cytokine; Motility/polarity/chemotaxis; Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 6p22.3 Cellular Component: extracellular region Molecular Function: prolactin receptor binding; protein binding Biological Process: cell proliferation; cell surface receptor linked signal transduction; cellular protein metabolic process; positive regulation of JAK-STAT cascade; regulation of multicellular organism growth
Research Articles on PRL	**1.** Data suggest that the serum level of PRL was closely related to the antibody production and disease activity of systemic lupus eruthematosus patients. PRL concentration was dramatically reduced upon the remission of disease activity.
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