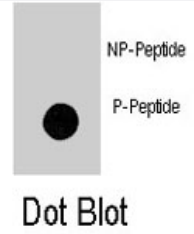
PRL (phospho S163) polyclonal antibody

Catalog # PAB8179 Size 400 uL

Applications



Dot Blot (Peptide)

Dot blot analysis of PRL (phospho S163) polyclonal antibody (Cat # PAB8179) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5 ug/mL.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of PRL.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding S163 of human PRL.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Recommend Usage	ELISA (1:1000) Dot Blot (1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

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Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry
- Enzyme-linked Immunoabsorbent Assay
- Dot Blot (Peptide)

  Dot blot analysis of PRL (phospho S163) polyclonal antibody (Cat # PAB8179) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5 ug/mL.

Gene Info — PRL

Entrez GeneID	5617
Protein Accession#	P01236;NP_000939
Gene Name	PRL
Gene Alias	-
Gene Description	prolactin
Omim ID	176760
Gene Ontology	Hyperlink
Other Designations	OTTHUMP00000017727

Publication Reference

- Prolactin does not require insulin-like growth factor intermediates but synergizes with insulin-like growth factor I in human breast cancer cells.

  Carver KC, Schuler LA.

  Molecular Cancer Research: MCR 2008 Apr; 6(4):634.

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- Plasma levels of Th1/Th2 type cytokine are associated with change of prolactin and GH/IGF-I in hemodialysis patients.

  Liu ML, Xu G, Xue SR, Zhong XC, Chen GX, Chen ZJ.

  The International Journal of Artificial Organs 2008 Apr; 31(4):303.

- Prolactin stimulates ubiquitination, initial internalization, and degradation of its receptor via catalytic activation of Janus kinase 2.

  Swaminathan G, Varghese B, Thangavel C, Carbone CJ, Plotnikov A, Kumar KG, Jablonski EM, Clevenger CV, Goffin V, Deng L, Frank SJ, Fuchs SY.

  The Journal of Endocrinology 2008 Feb; 196(2):R1.

Pathway

- Cytokine-cytokine receptor interaction
- Jak-STAT signaling pathway
- Neuroactive ligand-receptor interaction

Disease

- Abortion
- Arthritis
- Asperger Syndrome
- Autistic Disorder
- Autoimmune Diseases
- Breast cancer
- Breast Neoplasms
- Disease Progression
- Fibroadenoma
- Genetic Predisposition to Disease
- Hepatitis C

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- Hyperparathyroidism
- Infertility
- Lupus Erythematosus
- Lymphoma
- Mental Disorders
- Multiple Sclerosis
- Obesity
- Ovarian Failure
- Polycystic Ovary Syndrome
- Prostate cancer
- Prostatic Neoplasms
- Puberty
- Thrombophilia
- Tobacco Use Disorder
- Viremia

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