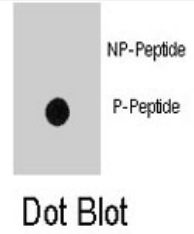
INSR (phospho Y1185) polyclonal antibody

Catalog # PAB8162 Size 400 uL

Applications



Dot Blot (Peptide)

Dot blot analysis of INSR (phospho Y1185) polyclonal antibody (Cat # PAB8162) 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 INSR.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding Y1185 of human INSR.
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

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

  Dot blot analysis of INSR (phospho Y1185) polyclonal antibody (Cat # PAB8162) 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 — INSR

Entrez GeneID	3643
Protein Accession#	NP_000199;P06213
Gene Name	INSR
Gene Alias	CD220, HHF5
Gene Description	insulin receptor
Omim ID	147670 246200 262190 609968 610549
Gene Ontology	Hyperlink
Gene Summary	After removal of the precursor signal peptide, the insulin receptor precursor is post-translationally cleaved into two chains (alpha and beta) that are covalently linked. Binding of insulin to the insulin receptor (INSR) stimulates glucose uptake. Two transcript variants encoding different isoforms ha ve been found for this gene. [provided by RefSeq
Other Designations	-

Publication Reference

- Placental insulin and insulin-like growth factor I receptors in normal and preeclamptic pregnancies.

  Diaz E, Cardenas M, Ariza AC, Larrea F, Halhali A.

  Clinical Biochemistry 2005 Mar; 38(3):243.

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- AICAR, an activator of AMP-activated protein kinase, down-regulates the insulin receptor expression in HepG2 cells.

  Nakamaru K, Matsumoto K, Taguchi T, Suefuji M, Murata Y, Igata M, Kawashima J, Kondo T, Motoshima H, Tsuruzoe K, Miyamura N, Toyonaga T, Araki E.

  Biochemical and Biophysical Research Communications 2005 Mar; 328(2):449.

- Human insulin receptor substrate-1 (IRS-1) polymorphism G972R causes IRS-1 to associate with the insulin receptor and inhibit receptor autophosphorylation.

  McGettrick AJ, Feener EP, Kahn CR.

  The Journal of Biological Chemistry 2005 Feb; 280(8):6441.

Pathway

- Adherens junction
- Insulin signaling pathway
- Type II diabetes mellitus

Disease

- Acanthosis Nigricans
- Adenomatous Polyps
- Anorexia Nervosa
- Atherosclerosis
- Breast cancer
- Breast Neoplasms
- Bulimia
- Calcinosis
- Carcinoma
- Cardiovascular Diseases
- Colorectal Neoplasms

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- Coronary Artery Disease
- Coronary Disease
- Coronary Restenosis
- Diabetes Mellitus
- Drug Toxicity
- Edema
- Genetic Predisposition to Disease
- Hepatitis
- Hyperandrogenism
- Hypercholesterolemia
- Hyperinsulinism
- Hypertension
- Hypertriglyceridemia
- Insulin Resistance
- Kidney Failure
- Lung Neoplasms
- Metabolic Syndrome X
- Migraine Disorders
- Migraine with Aura
- Myocardial Infarction
- Neoplasms
- Obesity
- Ovarian cancer
- Ovarian Failure
- Ovarian Neoplasms
- Polycystic Ovary Syndrome

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- Pre-Eclampsia
- Prostatic Neoplasms
- Puberty
- Pulmonary Disease
- Thinness
- Thrombophilia
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Werner syndrome

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