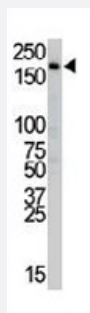


INSR polyclonal antibody

Catalog # PAB3356

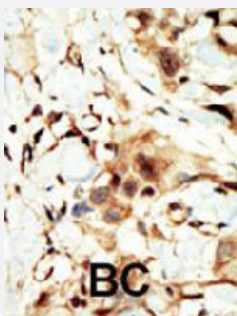
Size 200 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of INSR polyclonal antibody (Cat # PAB3356) in SK-BR-3 cell lysate. INSR (arrow) was detected using purified polyclonal antibody. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with INSR polyclonal antibody (Cat # PAB3356), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of INSR.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human INSR.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-100) Western Blot (1:1000) 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.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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Gene Info — INSR

Entrez GeneID	3643
Protein Accession#	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 have been found for this gene. [provided by RefSeq]
Other Designations	-

Publication Reference

- [Deletion of V335 from the L2 domain of the insulin receptor results in a conformationally abnormal receptor that is unable to bind insulin and causes Donohue's syndrome in a human subject.](#)

George S, Johansen A, Soos MA, Mortensen H, Gammeltoft S, Saudek V, Siddle K, Hansen L, O'Rahilly S.

Endocrinology 2003 Feb; 144(2):631.

Application: IP, WB-Tr, Mouse, CHO cells

- [Genotype-phenotype correlation in inherited severe insulin resistance.](#)

Longo N, Wang Y, Smith SA, Langley SD, DiMeglio LA, Giannella-Neto D.

Human Molecular Genetics 2002 Jun; 11(12):1465.

- [An arginine to cysteine\(252\) mutation in insulin receptors from a patient with severe insulin resistance inhibits receptor internalisation but preserves signalling events.](#)

Hamer I, Foti M, Emkey R, Cordier-Bussat M, Philippe J, De Meyts P, Maeder C, Kahn CR, Carpentier JL.

Diabetologia 2002 Apr; 45(5):657.

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](#)
- [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](#)
- [Pre-Eclampsia](#)
- [Prostatic Neoplasms](#)
- [Puberty](#)
- [Pulmonary Disease](#)
- [Thinness](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)