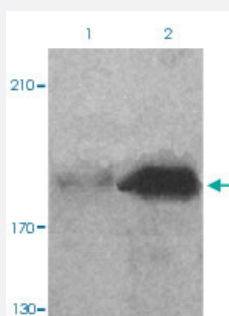


IRS1 (phospho S639) polyclonal antibody

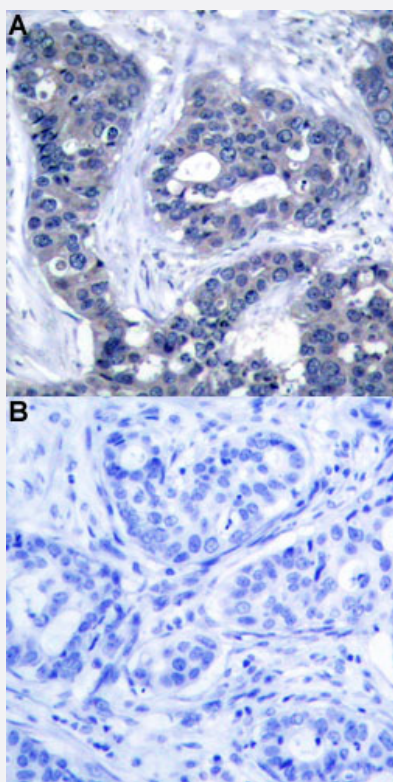
Catalog # PAB29618 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of Lane 1: 293 cells, Lane 2: serum treated 293 cells with IRS1 (phospho S639) polyclonal antibody (Cat# PAB29618) at 1:500-1:1000 dilution.



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

Immunohistochemical staining of human breast cancer tissue by IRS1 (phospho S639) polyclonal antibody (Cat# PAB29618) without blocking peptide (A) or preincubated with blocking peptide (B) under 1:50-1:100 dilution.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic phosphopeptide of human IRS1.

Immunogen	A synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding S639 of human IRS1.
Host	Rabbit
Theoretical MW (kDa)	180
Reactivity	Human, Mouse, Rabbit
Specificity	IRS1 (phospho S639) polyclonal antibody detects endogenous level of IRS1 only when phosphorylated at serine 639.
Form	Liquid
Purification	Affinity Chromatography
Recommend Usage	Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg^{2+} and Ca^{2+}), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% 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 — IRS1

Entrez GeneID	3667
Protein Accession#	P35568
Gene Name	IRS1

Gene Alias	HIRS-1
Gene Description	insulin receptor substrate 1
Omim ID	125853 147545
Gene Ontology	Hyperlink
Other Designations	-

Pathway

- [Adipocytokine signaling pathway](#)
- [Insulin signaling pathway](#)
- [Neurotrophin signaling pathway](#)
- [Type II diabetes mellitus](#)

Disease

- [Adenocarcinoma](#)
- [Adenomatous Polyps](#)
- [Adrenal hyperplasia](#)
- [Alzheimer disease](#)
- [Atherosclerosis](#)
- [Birth Weight](#)
- [Body Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)
- [Colon cancer](#)

- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Drug Toxicity](#)
- [Dyslipidemias](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Fatty Liver](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Glucose Intolerance](#)
- [Glucose Metabolism Disorders](#)
- [Hepatitis](#)
- [Hirsutism](#)
- [Hyperandrogenism](#)
- [Hypercholesterolemia](#)
- [Hyperinsulinism](#)
- [Hypertension](#)
- [Hypertriglyceridemia](#)

- [Inflammation](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Metabolic Syndrome X](#)
- [Microsatellite Instability](#)
- [Multiple Myeloma](#)
- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Diseases](#)
- [Pancreatic Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Puberty](#)
- [Pulmonary Disease](#)
- [Rectal Neoplasms](#)
- [Schizophrenia](#)
- [Sleep Apnea](#)
- [Thinness](#)

- [Thrombosis](#)
- [Thyroid Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Weight Loss](#)
- [Werner syndrome](#)