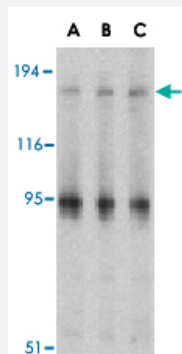


IRS1 polyclonal antibody

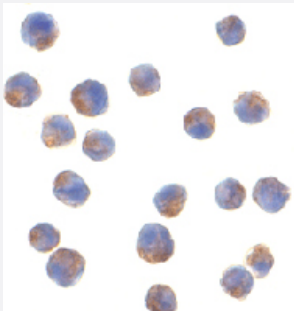
Catalog # PAB12949 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of IRS1 in PC-3 cell lysate with IRS1 polyclonal antibody (Cat # PAB12949) at (A) 1, (B) 2 and (C) 4 ug/mL .



Immunocytochemistry

Immunocytochemistry of IRS1 in P815 cells with IRS1 polyclonal antibody (Cat # PAB12949) at 2 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of IRS1.
Immunogen	A synthetic peptide corresponding to internal region 16 amino acids of human IRS1.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Recommend Usage	Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. 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)

Western blot analysis of IRS1 in PC-3 cell lysate with IRS1 polyclonal antibody (Cat # PAB12949) at (A) 1, (B) 2 and (C) 4 ug/mL .

- Immunocytochemistry

Immunocytochemistry of IRS1 in P815 cells with IRS1 polyclonal antibody (Cat # PAB12949) at 2 ug/mL .

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	-

Publication Reference

- [Integration of growth factor and nutrient signaling: implications for cancer biology.](#)

Shamji AF, Nghiem P, Schreiber SL.

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- [A phosphatidylinositol 3-kinase/Akt/mTOR pathway mediates and PTEN antagonizes tumor necrosis factor inhibition of insulin signaling through insulin receptor substrate-1.](#)

Ozes ON, Akca H, Mayo LD, Gustin JA, Maehama T, Dixon JE, Donner DB.

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- [Insulin receptor substrate \(IRS\) transduction system: distinct and overlapping signaling potential.](#)

Giovannone B, Scaldaferri ML, Federici M, Porzio O, Lauro D, Fusco A, Sbraccia P, Borboni P, Lauro R, Sesti G.

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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](#)