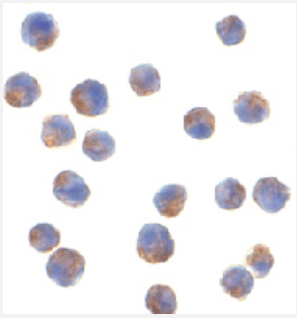
IRS1 polyclonal antibody

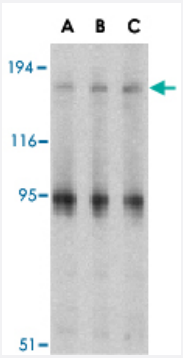
Catalog # PAB12949 Size 100 ug

Applications



Immunocytochemistry

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



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 .

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.

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunocytochemistry

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

- 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 .

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.

  Molecular Cell 2003 Aug; 12(2):271.

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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.

  PNAS 2001 Apr; 98(8):4640.

- 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.

  Diabetes/Metabolism Research and Reviews 2000 Nov; 16(6):434.

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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Sleep Apnea
- Thinness
- Thrombosis
- Thyroid Neoplasms
- Urinary Bladder Neoplasms
- Weight Loss
- Werner syndrome

Copyright © 2023 Abnova Corporation. All Rights Reserved.