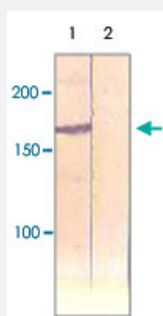


IRS1 polyclonal antibody

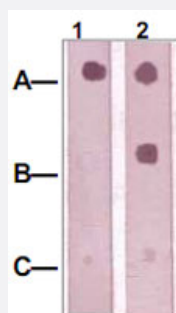
Catalog # PAB12695 Size 100 ug

Applications



Immunoprecipitation

The cell lysate derived from insulin stimulated CHO was immunoprecipitated by IRS1 polyclonal antibody (Cat # PAB12695), then immunoprobed by the same antibody at 1 : 500 (Lane 1). Lane 2 is a negative control.



Dot Blot (Peptide)

Dot Blot : 1 ug peptide was blot onto NC membrane
A : IRS1 (pS312).
B : IRS1 (non phosphorylated).
C : Non-related Phosphopeptide.
Followed by rabbit antibodies incubation at a 1 : 1000 dilution.
1. Phospho-IRS1 S312 polyclonal antibody (Cat # PAB12627).
2 : IRS1 polyclonal antibody (Cat # PAB12695).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of IRS1.
Immunogen	A synthetic peptide corresponding to the epitope ATSPA without phosphorylation of human IRS1.
Host	Rabbit
Theoretical MW (kDa)	165
Reactivity	Human, Mouse, Rat
Specificity	This antibody recognizes ~165 KDa of human IRS1 (without phosphorylation at Ser312).
Form	Liquid

Purification	Site-specific epitope affinity purification
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (0.01-0.1 ug/mL) Immunohistochemistry (0.5-2 ug/mL) Immunoprecipitation (2-5 ug/mL) Western Blot (0.1-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In TBS, pH 7.2 (Antibody stabilizer).
Storage Instruction	Store at 4°C for three month without detectable loss of activity. For long term storage, store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunohistochemistry
- Immunoprecipitation

The cell lysate derived from insulin stimulated CHO was immunoprecipitated by IRS1 polyclonal antibody (Cat # PAB12695), then immunoprobed by the same antibody at 1 : 500 (Lane 1). Lane 2 is a negative control.

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

Dot Blot : 1 ug peptide was blot onto NC membrane A : IRS1 (pS312).

B : IRS1 (non phosphorylated).

C : Non-related Phosphopeptide.

Followed by rabbit antibodies incubation at a 1 : 1000 dilution.

1. Phospho-IRS1 S312 polyclonal antibody (Cat # PAB12627).

2 : IRS1 polyclonal antibody (Cat # PAB12695).

Gene Info — IRS1

Entrez GeneID	3667
Gene Name	IRS1
Gene Alias	HIRS-1

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

Publication Reference

- [Protein kinase C Theta inhibits insulin signaling by phosphorylating IRS1 at Ser\(1101\).](#)

Li Y, Soos TJ, Li X, Wu J, Degennaro M, Sun X, Littman DR, Birnbaum MJ, Polakiewicz RD.

The Journal of Biological Chemistry 2004 Sep; 279(44):45304.

Application: IP-WB, Mouse, 3T3-L1, C2C12 cells

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](#)