

IRS2 polyclonal antibody

Catalog # PAB12696 Size 100 ug

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of IRS2.
Immunogen	A synthetic peptide corresponding to internal domain of human IRS2.
Host	Rabbit
Theoretical MW (kDa)	180
Reactivity	Human, Mouse, Rat
Specificity	This antibody recognizes ~180 KDa of human IRS2.
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (0.1-1 ug/mL) ELISA (0.01-0.1 ug/mL) Immunoprecipitation (2-5 ug/mL) Immunohistochemistry (0.5-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In TBS, pH 7.2 (BSA, 10% Proclin300)
Storage Instruction	Store at 4°C. For long term storage store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunohistochemistry
- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay

Gene Info — IRS2

Entrez GeneID [8660](#)

Gene Name IRS2

Gene Alias -

Gene Description insulin receptor substrate 2

Omim ID [125853 600797](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes the insulin receptor substrate 2, a cytoplasmic signaling molecule that mediates effects of insulin, insulin-like growth factor 1, and other cytokines by acting as a molecular adaptor between diverse receptor tyrosine kinases and downstream effectors. The product of this gene is phosphorylated by the insulin receptor tyrosine kinase upon receptor stimulation, as well as by an interleukin 4 receptor-associated kinase in response to IL4 treatment. [provided by RefSeq]

Other Designations OTTHUMP00000018696

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.

Pathway

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

Disease

- [Adenocarcinoma](#)
- [Adenomatous Polyps](#)
- [Alzheimer disease](#)
- [Ascariasis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Body Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Disease Progression](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
- [Endometriosis](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Hepatitis](#)

- [Hyperinsulinism](#)
- [Hypertension](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Metabolic Syndrome X](#)
- [Microsatellite Instability](#)
- [Multiple Myeloma](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Pancreatic Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Rectal Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Diseases](#)