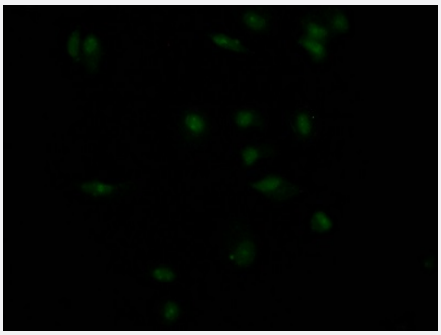
RecomAb™ Sm Size

INSR recombinant monoclonal antibody, clone 4B2

Catalog # RAB08472 Size 50 uL

Applications



Immunofluorescence

Immunofluorescent staining of MCF7 Cells with INSR recombinant monoclonal antibody. The cells were fixed in 4% formaldehyde, permeated by 0.2% TritonX-100, and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human INSR.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human INSR.
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Immunofluorescence (1:20-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)

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Storage Instruction	Store at -20°C or -80°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

- Immunofluorescence

  Immunofluorescent staining of MCF7 Cells with INSR recombinant monoclonal antibody. The cells were fixed in 4% formaldehyde, permeated by 0.2% TritonX-100, and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — INSR

Entrez GeneID	3643
Protein Accession#	P06213
Gene Name	INSR
Gene Alias	CD220, HHF5
Gene Description	insulin receptor
Omim ID	147670 246200 262190 609968 610549
Gene Ontology	Hyperlink
Gene Summary	After removal of the precursor signal peptide, the insulin receptor precursor is post-translationally cleaved into two chains (alpha and beta) that are covalently linked. Binding of insulin to the insulin receptor (INSR) stimulates glucose uptake. Two transcript variants encoding different isoforms ha ve been found for this gene. [provided by RefSeq
Other Designations	-

Pathway

- Adherens junction

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- Insulin signaling pathway
- Type II diabetes mellitus

Disease

- Acanthosis Nigricans
- Adenomatous Polyps
- Anorexia Nervosa
- Atherosclerosis
- Breast cancer
- Breast Neoplasms
- Bulimia
- Calcinosis
- Carcinoma
- Cardiovascular Diseases
- Colorectal Neoplasms
- Coronary Artery Disease
- Coronary Disease
- Coronary Restenosis
- Diabetes Mellitus
- Drug Toxicity
- Edema
- Genetic Predisposition to Disease
- Hepatitis
- Hyperandrogenism
- Hypercholesterolemia

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- Hyperinsulinism
- Hypertension
- Hypertriglyceridemia
- Insulin Resistance
- Kidney Failure
- Lung Neoplasms
- Metabolic Syndrome X
- Migraine Disorders
- Migraine with Aura
- Myocardial Infarction
- Neoplasms
- Obesity
- Ovarian cancer
- Ovarian Failure
- Ovarian Neoplasms
- Polycystic Ovary Syndrome
- Pre-Eclampsia
- Prostatic Neoplasms
- Puberty
- Pulmonary Disease
- Thinness
- Thrombophilia
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Werner syndrome

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