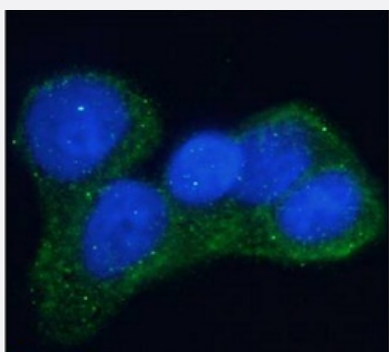


RecomAb™

INSR recombinant monoclonal antibody, clone Fab 83-7

Catalog # RAB03610 Size 200 ug

Applications



Immunofluorescence

Immunofluorescent staining of MCF-7 cells with INSR recombinant monoclonal antibody, clone Fab 83-7 (Cat # RAB03610).

Immunofluorescence analysis of paraformaldehyde fixed MCF-7 cells on Shi-fix™ coverslips, permeabilized with 0.15% Triton and stained with the chimeric r version of RAB03610 at 10 ug/mL for 1h followed by Alexa Fluor® 488 secondary antibody (1 ug/mL), showing membrane staining. The nuclear stain is DAPI (blue). The isotype control was stained with anti-Fluorescein antibody followed by Alexa Fluor® 488 secondary antibody.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human INSR.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against IM-9 lymphocytes followed by purified insulin receptor.
Reactivity	Human
Form	Liquid
Isotype	IgG
Recommend Usage	Crystallography Immunofluorescence The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% Proclin 300)

Storage Instruction

Store at 4°C for 3 months. For long term storage, aliquot and store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Immunofluorescence

Immunofluorescent staining of MCF-7 cells with INSR recombinant monoclonal antibody, clone Fab 83-7 (Cat # RAB03610). Immunofluorescence analysis of paraformaldehyde fixed MCF-7 cells on Shi-fix™ coverslips, permeabilized with 0.15% Triton and stained with the chimeric r version of RAB03610 at 10 ug/mL for 1h followed by Alexa Fluor® 488 secondary antibody (1 ug/mL), showing membrane staining. The nuclear stain is DAPI (blue). The isotype control was stained with anti-Fluorescein antibody followed by Alexa Fluor® 488 secondary antibody.

- Crystallography

Gene Info — INSR

Entrez GeneID	3643
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Gene Name	INSR
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Gene Alias	CD220, HHF5
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Gene Description	insulin receptor
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Omim ID	147670 246200 262190 609968 610549
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Gene Ontology	Hyperlink
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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 have been found for this gene. [provided by RefSeq]
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Other Designations	-
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Pathway

- [Adherens junction](#)
- [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](#)
- [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](#)