

IGF1 monoclonal antibody, clone SPM406

Catalog # MAB15173 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native human IGF1.
Immunogen	Native purified human IGF1 protein.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/million cells) Immunofluorescence (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% azide).
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunofluorescence
- Flow Cytometry

Gene Info — IGF1

Entrez GeneID	3479
Protein Accession#	P05019
Gene Name	IGF1
Gene Alias	IGFI
Gene Description	insulin-like growth factor 1 (somatomedin C)
Omim ID	147440 608747
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is similar to insulin in function and structure and is a member of a family of proteins involved in mediating growth and development. The encoded protein is processed from a precursor, bound by a specific receptor, and secreted. Defects in this gene are a cause of insulin-like growth factor I deficiency. Several transcript variants encoding different isoforms have been found for this gene
Other Designations	insulin-like growth factor 1 somatomedin C

Publication Reference

- [Insulin-like growth factor-1 \(IGF-1\): a neuroprotective trophic factor acting via the Akt kinase pathway.](#)
Zheng WH, Kar S, Doré S, Quirion R.
Journal of Neural Transmission. Supplementum 2000 Jan; 60:261.
Application: IHC, Human, Human brains
- [Characterization of insulin-like growth factor 1 in human primary brain tumors.](#)
Sandberg-Nordqvist AC, Ståhlbom PA, Reinecke M, Collins VP, von Holst H, Sara V.
Cancer Research 1993 Jun; 53(11):2475.
- [Organization and sequence of the human insulin-like growth factor I gene. Alternative RNA processing produces two insulin-like growth factor I precursor peptides.](#)
Rotwein P, Pollock KM, Didier DK, Krivi GG.
The Journal of Biological Chemistry 1986 Apr; 261(11):4828.

Pathway

- [Focal adhesion](#)

- [Glioma](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)
- [Long-term depression](#)
- [Melanoma](#)
- [mTOR signaling pathway](#)
- [p53 signaling pathway](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)

Disease

- [Abortion](#)
- [Adenocarcinoma](#)
- [Adenoma](#)
- [Albuminuria](#)
- [Alzheimer disease](#)
- [Anorexia Nervosa](#)
- [Arteriosclerosis](#)
- [Asperger Syndrome](#)
- [Atherosclerosis](#)
- [Autistic Disorder](#)
- [Barrett Esophagus](#)
- [Birth Weight](#)
- [Body Weight](#)
- [Bone Diseases](#)
- [Brain Neoplasms](#)

- [Breast cancer](#)
- [Breast Diseases](#)
- [Breast Neoplasms](#)
- [Bronchopulmonary Dysplasia](#)
- [Bulimia](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cerebrovascular Accident](#)
- [Chorioamnionitis](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colonic Polyps](#)
- [Colorectal Neoplasms](#)
- [Connective Tissue Diseases](#)
- [Coronary Artery Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [Drug Toxicity](#)
- [Ductus Arteriosus](#)
- [Dwarfism](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Esophagitis](#)

- [Fetal Diseases](#)
- [Fetal Growth Retardation](#)
- [Fetal Membranes](#)
- [Fractures](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Growth Disorders](#)
- [Hepatitis](#)
- [Hip Fractures](#)
- [Hypercholesterolemia](#)
- [Hyperplasia](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Infant](#)
- [Infection](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Laron Syndrome](#)
- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Metabolic Syndrome X](#)

- [Metaplasia](#)
- [Microsatellite Instability](#)
- [Multiple Myeloma](#)
- [Muscular Diseases](#)
- [Musculoskeletal Diseases](#)
- [Myocardial Infarction](#)
- [Myopia](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)
- [Neoplasms](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Osteoarthritis](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Pain](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Prostate cancer](#)
- [Prostatic Hyperplasia](#)

- [Prostatic Neoplasms](#)
- [Puberty](#)
- [Pulmonary Disease](#)
- [Rectal Neoplasms](#)
- [Retinopathy of Prematurity](#)
- [Scoliosis](#)
- [Shoulder Fractures](#)
- [Skin Diseases](#)
- [Social Perception](#)
- [Subarachnoid Hemorrhage](#)
- [Testicular Neoplasms](#)
- [Thrombophilia](#)
- [Thyroid Diseases](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Weight Gain](#)
- [Werner syndrome](#)
- [Wrist Injuries](#)