IGFBP3 monoclonal antibody, clone SBH10

Catalog # MAB7879 Size 200 ug

Specification

Product Description	Mouse monoclonal antibody raised against recombinant IGFBP3.
Immunogen	Recombinant protein corresponding to human IGFBP3.
Host	Mouse
Reactivity	Human
Form	Lyophilized
Isotype	IgG2a
Recommend Usage	ELISA (0.5-1 ug/mL) Western Blot (0.5-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS.
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with deionized water, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot

Gene Info — IGFBP3

Entrez GeneID	3486
Protein Accession#	P17936

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Gene Name	IGFBP3
Gene Alias	BP-53, IBP3
Gene Description	insulin-like growth factor binding protein 3
Omim ID	146732
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the insulin-like growth factor binding protein (IGFBP) family and encode s a protein with an IGFBP domain and a thyroglobulin type-I domain. The protein forms a ternary c omplex with insulin-like growth factor acid-labile subunit (IGFALS) and either insulin-like growth fa ctor (IGF) I or II. In this form, it circulates in the plasma, prolonging the half-life of IGFs and altering t heir interaction with cell surface receptors. Alternate transcriptional splice variants, encoding differ ent isoforms, have been characterized. [provided by RefSeq
Other Designations	IGF-binding protein 3|acid stable subunit of the 140 K IGF complex|binding protein 29|binding prot ein 53|growth hormone-dependent binding protein

Publication Reference

- Nuclear export and mitochondrial and endoplasmic reticulum localization of IGF-binding protein 3 regulate its apoptotic properties.

  Paharkova-Vatchkova V, Lee KW.

  Endocrine-Related Cancer 2010 Mar; 17(2):293.

- Randomized GH trial with two different dosages in combination with a GnRH analogue in short small for gestational age children: effects on metabolic profile and serum GH, IGF1, and IGFBP3 levels.

  van der Kaay D, Bakker B, van der Hulst F, Mul D, Mulder J, Schroor E, van Elswijk D, Rowaan I, Willeboer M, de Ridder M, Hokken-Koelega A.

  European Journal of Endocrinology 2010 Feb; 162(5):887.

Pathway

- p53 signaling pathway

Disease

- Abortion

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- Adenocarcinoma
- Adenoma
- Alzheimer disease
- Anorexia Nervosa
- Anoxia
- Atherosclerosis
- Barrett Esophagus
- Brain Ischemia
- Brain Neoplasms
- Breast cancer
- Breast Diseases
- Breast Neoplasms
- Bulimia
- Calcinosis
- Carcinoma
- Cardiovascular Diseases
- Clubfoot
- Colon cancer
- Colonic Neoplasms
- Colonic Polyps
- Colorectal Neoplasms
- Connective Tissue Diseases
- Coronary Artery Disease
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Nephropathies

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- Disease Progression
- Dwarfism
- Edema
- Esophageal Neoplasms
- Esophagitis
- Femur Head Necrosis
- Fetal Diseases
- Fetal Growth Retardation
- Genetic Predisposition to Disease
- Growth Disorders
- Hyperplasia
- Infection
- Inflammation
- Kidney Failure
- Kidney Neoplasms
- Laron Syndrome
- Liver Neoplasms
- Lung Neoplasms
- Lymphoma
- Metabolic Syndrome X
- Metaplasia
- Microsatellite Instability
- Multiple Myeloma
- Muscular Diseases
- Musculoskeletal Diseases
- Narcolepsy

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- Neoplasm Invasiveness
- Neoplasms
- Obesity
- Osteonecrosis
- Osteoporosis
- Ovarian cancer
- Ovarian Failure
- Ovarian Neoplasms
- Pain
- Pancreatic Neoplasms
- Polycystic Ovary Syndrome
- Pregnancy Complications
- Premature Birth
- Prostate cancer
- Prostatic Hyperplasia
- Prostatic Neoplasms
- Puberty
- Pulmonary Disease
- Rectal Neoplasms
- Schizophrenia
- Skin Diseases
- Stomach Neoplasms
- Stroke
- Testicular Neoplasms
- Thrombophilia

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- Thyroid Diseases
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Werner syndrome

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