



IGF-2 (ABT196R) Rabbit mAb (Ready to Use)

Catalog No	YP-rAb-18302
Isotype	IgG
Reactivity	Human
Applications	IHC
Gene Name	IGF2 PP1446
Protein Name	Insulin-like growth factor II (IGF-II) (Somatomedin-A) [Cleaved into: Insulin-like growth factor II; Insulin-like growth factor II Ala-25 Del; Preptin]
Purification Process	Protein A
Specificity	This antibody detects endogenous levels of IGF-2
Formulation	The prediluted ready-to-use antibody is diluted in phosphate buffer saline containing stabilizing protein and 0.05% Proclin 300
Source	Monoclonal, Rabbit,IgG
Dilution	Ready to use for IHC Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	2° C to 8° C/1 year,Ship by ice bag
Synonyms	C11orf43 ; IGF 2 ; IGF II ; IGF-II ; IGF2 ; IGF2_HUMAN ; IGFII ; INSIGF ; insulin like growth factor 2 ; somatomedin A ; Insulin like Growth Factor 2 ; Insulin like growth factor II ; Insulin like growth factor II precursor ; Insulin like growth factor type 2 ; pp9974 ; Preptin ; putative insulin like growth factor II associated protein ; Somatomedin A ; Somatomedin-A
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Cytoplasmic
Tissue Specificity	Expressed in heart, placenta, lung, liver, muscle, kidney, tongue, limb, eye and pancreas.
Function	Disease:Defects in INS are the cause of familial hyperproinsulinemia [MIM:176730].,Function:Insulin decreases blood glucose concentration. It increases cell permeability to monosaccharides, amino acids and fatty acids. It accelerates glycolysis, the pentose phosphate cycle, and glycogen synthesis in liver.,Function:Preptin undergoes glucose-mediated co-secretion with insulin, and acts as physiological amplifier of glucose-mediated insulin secretion. Exhibits osteogenic properties by increasing osteoblast mitogenic activity through

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phosphoactivation of MAPK1 and MAPK3.,Function:The insulin-like growth factors possess growth-promoting activity. In vitro, they are potent mitogens for cultured cells. IGF-II is influenced by placental lactogen and may play a role in fetal development.,mass spectrometry: PubMed:12586351; PubMed:15359740,online information:Clinical information on Eli Lilly insulin products,online information:Insulin entry,online information:Insulin-like growth factor 2 entry,online information:Protein of the 20th century - Issue 9 of April 2001,pharmaceutical:Available under the names Humulin or Humalog (Eli Lilly) and Novolin (Novo Nordisk). Used in the treatment of diabetes. Humalog is an insulin analog with 52-Lys-Pro-53 instead of 52-Pro-Lys-53.,similarity:Belongs to the insulin family.,subunit:Heterodimer of a B chain and an A chain linked by two disulfide bonds.,

Background

This gene encodes a member of the insulin family of polypeptide growth factors, which are involved in development and growth. It is an imprinted gene, expressed only from the paternal allele, and epigenetic changes at this locus are associated with Wilms tumour, Beckwith-Wiedemann syndrome, rhabdomyosarcoma, and Silver-Russell syndrome. A read-through INS-IGF2 gene exists, whose 5' region overlaps the INS gene and the 3' region overlaps this gene. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2010],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

