

Summary

Production Name	IGF-I Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC-P,IF-P,IF-F,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	IGF1
Alternative Names	IBP1; IGF-IA; IGF1A; IGFI; insulin-like growth factor 1; insulin-like growth factor IA; mechano growth factor; MGF; somatomedin C
Gene ID	3479.0
SwissProt ID	P05019.The antiserum was produced against synthesized peptide derived from human IGF-I. AA range:100-149

Application

Dilution Ratio	IHC-P 1:100-1:300, ELISA 1:10000, IF-P/IF-F/ICC/IF 1:50-200
Molecular Weight	

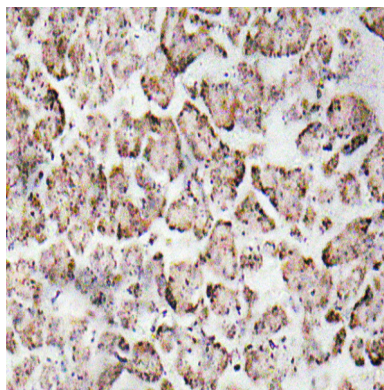
Background

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. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar processing to generate mature protein. [provided by RefSeq, Sep 2015], disease: Defects in IGF1 are the cause of insulin-like growth factor I deficiency (IGF1 deficiency) [MIM:608747]. IGF1 deficiency is an autosomal recessive disorder characterized by growth retardation, sensorineural deafness and mental retardation., function: The insulin-like growth factors, isolated from plasma, are structurally and functionally related to insulin but have a much higher growth-promoting activity., online information: Insulin-like growth factor 1 entry, online information: The Singapore human mutation and polymorphism database, similarity: Belongs to the insulin family.,

Research Area

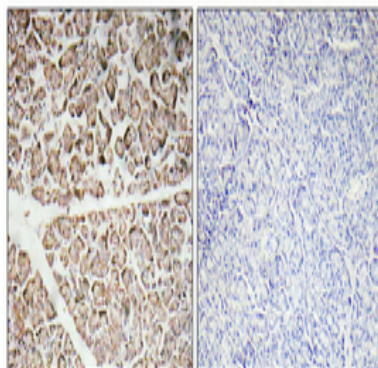
Oocyte meiosis; p53; mTOR; Focal adhesion; Long-term depression; Progesterone-mediated oocyte maturation; Aldosterone-regulated sodium reabsorption; Pathways in cancer; Glioma; Prostate cancer; Melanoma; Hypertrophic cardiomyopathy (HCM); Dilated cardiomyopathy;

Image Data



Immunohistochemistry analysis of IGF-I antibody in paraffin-embedded human pancreas tissue.

Product Name: IGF-I Rabbit Polyclonal Antibody
Catalog #: APRab12434



Immunohistochemical analysis of paraffin-embedded Human pancreas. Antibody was diluted at 1:100 (4°,overnight) . High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.

Note

For research use only.