

IGF-I Polyclonal Antibody

Catalog No: YT2288

Reactivity: Human; Mouse; Rat

Applications: IHC;IF;ELISA

Target: IGF-I

Gene Name: IGF1

Protein Name: Insulin-like growth factor I

P05019

Human Gene Id: 3479

Human Swiss Prot

No:

Mouse Gene Id: 16000

Rat Gene Id: 24482

Rat Swiss Prot No: P08025

Immunogen: The antiserum was produced against synthesized peptide derived from human

IGF-I. AA range:100-149

Specificity: IGF-I Polyclonal Antibody detects endogenous levels of IGF-I protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

1/3



Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight: 17-22kD

Cell Pathway: Oocyte meiosis;p53;mTOR;Focal adhesion;Long-term depression;Progesterone-

mediated oocyte maturation; Aldosterone-regulated sodium

reabsorption;Pathways in cancer;Glioma;Prostate cancer;Melanoma;Hypertr

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],

Function: 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.,

Subcellular

Location:

extracellular region, extracellular space, plasma membrane, insulin-like growth factor binding protein complex, platelet alpha granule lumen, alphav-beta3 integrin-IGF-1-IGF1R complex, insulin-like growth factor ternary complex, exocytic vesicle,

Expression : Brain, Liver, PCR rescued clones,

Tag: hot

Sort : 1015

No1: ab9572

No2: ab9572

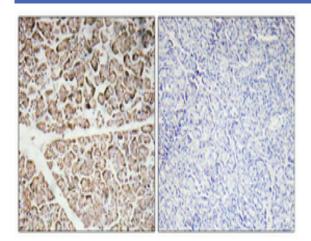
No4:

Host: Rabbit

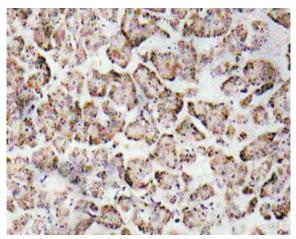
Modifications: Unmodified



Products Images



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



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