

## **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

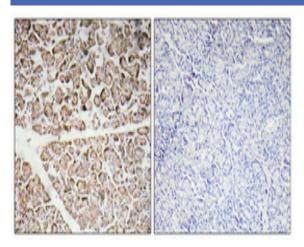
database, similarity: Belongs to the insulin family.,

Subcellular Location :

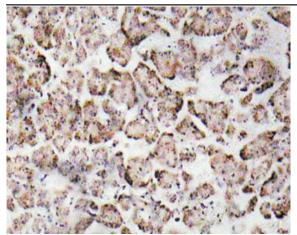
extracellular region, extracellular space, plasma membrane, insulin-like growth factor binding protein complex, platelet alpha granule lumen, alphav-beta3 integrin-IGF-1-IGF1R complex, insulin-like growth factor ternary complex, exocytic vesicle,

**Expression:** Brain, Liver, PCR rescued clones,

## **Products Images**



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. Negetive contrl (right) obtaned from antibody was preabsorbed by immunogen peptide.



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