

For Research Use Only

IGF1 Polyclonal antibody

Catalog Number: 28530-1-AP

27 Publications



Basic Information

Catalog Number:

28530-1-AP

Concentration:

550 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG29197

GenBank Accession Number:

NM_001111285.2

GeneID (NCBI):

3479

UNIPROT ID:

P05019

Full Name:

insulin-like growth factor 1
(somatomedin C)

Calculated MW:

22 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:50-1:500

Applications

Tested Applications:

IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

Human, mouse

Cited Species:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Positive Controls:

IHC : human liver tissue, mouse kidney tissue, mouse
liver tissue

Background Information

IGF1, also named as IBP1, MGF, IGF-IA, and Somatomedin-C, belongs to the INS family. IGF1 is structurally and functionally related to INS but has a much higher growth-promoting activity. Altered expression or mutation of IGF-1 is associated with several human disorders, including type I diabetes and various forms of cancer. Defects in IGF1 are the cause of INS-like growth factor I deficiency (IGF1 deficiency) which is an autosomal recessive disorder characterized by growth retardation, sensorineural deafness, and mental retardation.

Notable Publications

Author	Pubmed ID	Journal	Application
Ying-Ying Li	36160409	Front Pharmacol	WB
Lifeng Wang	36160014	Front Genet	IHC
Jianjian Zhang	34707090	Cell Death Discov	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

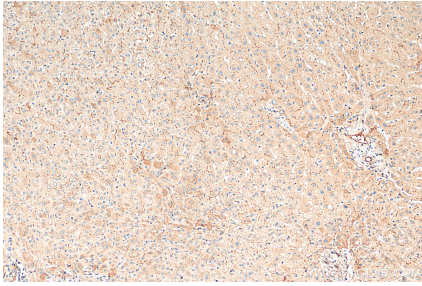
T: 4006900926

E: Proteintech-CN@ptglab.com

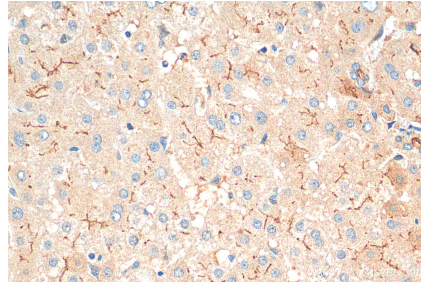
W: ptgcn.com

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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 28530-1-AP (IGF1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 28530-1-AP (IGF1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).