For Research Use Only

IGF1 Polyclonal antibody

Catalog Number:28530-1-AP 22 Publications

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Basic Information

Catalog Number:
28530-1-AP

Size:
150ul , Concentration: 550 μg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG29197

GenBank Accession Number:
NM_001111285.2

GeneID (NCBI):
3479

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:
Cell treatment, IF, IHC, WB

Species Specificity:
Human, mouse

Cited Species:
human, rat, mouse

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

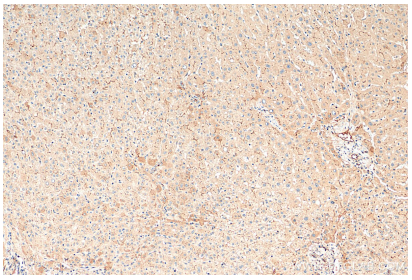
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

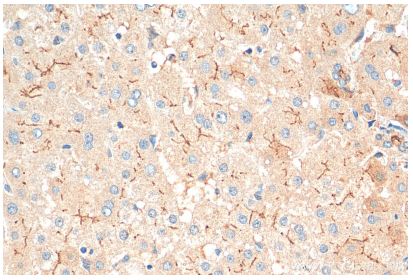
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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).