

For Research Use Only

IGF1A-Specific Polyclonal antibody

Catalog Number: 20214-1-AP

Featured Product

20 Publications



Basic Information

Catalog Number:

20214-1-AP

Concentration:

350 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

GeneID (NCBI):

3479

UNIPROT ID:

P05019

Full Name:

insulin-like growth factor 1
(somatomedin C)

Calculated MW:

17 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:300-1:1200

Applications

Tested Applications:

IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat, pig

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 : mouse liver tissue, human liver cancer 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 have 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. The antibody is specific to isoform IGF-1A.

Notable Publications

Author	Pubmed ID	Journal	Application
Fan Wang	31559898	Cancer Biol Ther	WB
Anna Miyazaki	36114866	Histochem Cell Biol	WB
Yinxian Wen	25202993	PLoS One	WB, IHC

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

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

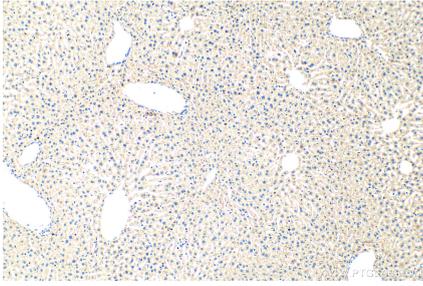
T: 4006900926

E: Proteintech-CN@ptglab.com

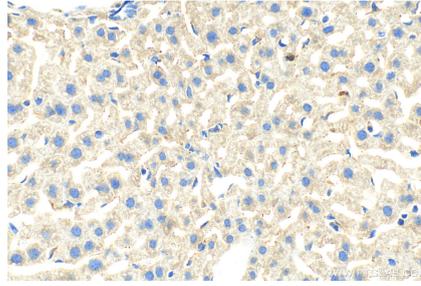
W: ptgcn.com

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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 20214-1-AP (IGF1A-Specific antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 20214-1-AP (IGF1A-Specific antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).