

For Research Use Only

IGF1B-Specific Polyclonal antibody



Catalog Number: 20215-1-AP

Featured Product

11 Publications

Basic Information

Catalog Number: 20215-1-AP	GenBank Accession Number: NM_001111285	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 700 µg/ml by Nanodrop and 440 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3479	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	Full Name: insulin-like growth factor 1 (somatomedin C)	
Isotype: IgG	Calculated MW: 22 kDa	

Applications

Tested Applications:
IHC, ELISA

Cited Applications:
Dot blot, IF, IHC

Species Specificity:
human

Cited Species:
chicken, 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 cancer tissue, human lung cancer tissue, mouse liver tissue

Background Information

IGF1B, also named as IBP1, MGF, IGF-I 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-1B.

Notable Publications

Author	Pubmed ID	Journal	Application
Stanley B DeVore	29987187	Mol Cell Biol	
Ni Zeng	31520740	Toxicol In Vitro	WB
Xiaodong Pei	30452899	Chem Biol Interact	

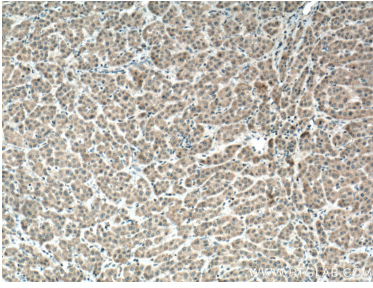
Storage

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

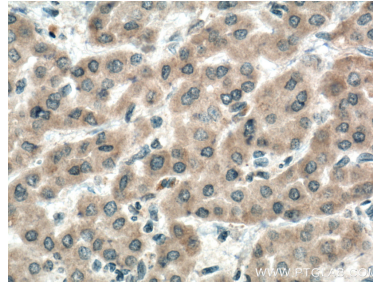
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 cancer tissue slide using 20215-1-AP (IGF1B-Specific 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 cancer tissue slide using 20215-1-AP (IGF1B-Specific antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).