

For Research Use Only

FGF-21 Polyclonal antibody

Catalog Number: 26272-1-AP

4 Publications



Basic Information

Catalog Number:

26272-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG24064

GenBank Accession Number:

BC018404

GeneID (NCBI):

26291

UNIPROT ID:

Q9NSA1

Full Name:

fibroblast growth factor 21

Calculated MW:

22 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:50-1:500

IF-P 1:50-1:500

Applications

Tested Applications:

IHC, IF-P, ELISA

Cited Applications:

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 lung cancer tissue, human colon tissue

IF-P : mouse liver tissue,

Background Information

Fibroblast growth factor 21 (FGF21), a member of the FGF superfamily, has emerged as an important metabolic regulator. FGF21 is produced in the liver, adipocytes and skeletal muscle and regulates glucose, energy and lipid metabolism. FGF21 is a stress-responsive hepatokine which is induced in the liver as a response to injury, regeneration, hepatocarcinogenesis and during kidney dysfunction. FGF21 is primarily metabolized in the kidney and renal secretion is the major route of FGF21 elimination. Its plasma levels increase according to the decline in renal function in patients with chronic and acute renal dysfunction.

Notable Publications

Author	Pubmed ID	Journal	Application
Yi Ding	39112671	Sci Rep	
Hakjoo Lee	37872238	Nat Commun	
Kailiang Zhou	31740658	Cell Death Dis	IF

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

*** 20ul sizes contain 0.1% BSA

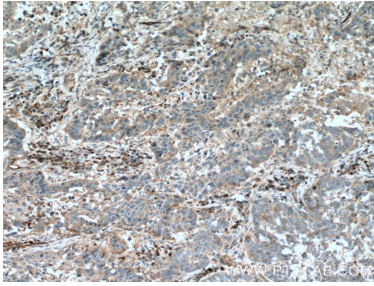
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

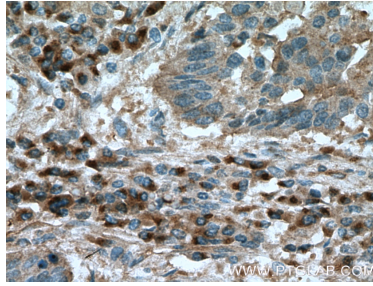
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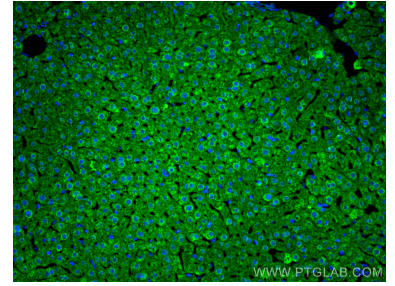
Selected Validation Data



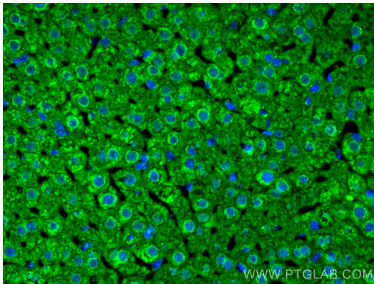
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 26272-1-AP (FGF21 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 26272-1-AP (FGF21 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse liver tissue using FGF21 antibody (26272-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse liver tissue using FGF21 antibody (26272-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).