

For Research Use Only

# FGF-2 Polyclonal antibody

Catalog Number: 11234-1-AP

23 Publications



## Basic Information

Catalog Number:

11234-1-AP

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_002006

GeneID (NCBI):

2247

UNIPROT ID:

P09038

Full Name:

fibroblast growth factor 2 (basic)

Calculated MW:

21 kDa

Observed MW:

31 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:1000

IHC: 1:50-1:500

FC (Intra): 0.40 ug per 10<sup>6</sup> cells in a 100 µl suspension

## Applications

Tested Applications:

WB, IHC, FC (Intra), ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, 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:

WB: HEK-293T cells, SKOV-3 cells, HepG2 cells

IHC: human renal cell carcinoma tissue, human thyroid cancer tissue, mouse kidney tissue, mouse lung tissue, rat brain tissue, rat kidney tissue, rat lung tissue

FC (Intra): K-562 cells, HepG2 cells

## Background Information

Fibroblast growth factor-2 (FGF-2), also referred to as basic FGF, belongs to a family of growth factors that stimulate proliferation of cells of mesenchymal, epithelial and neuroectodermal origin. The mRNA for this gene contains multiple polyadenylation sites, and is alternatively translated from non-AUG (CUG) and AUG initiation codons, resulting in at least five different isoforms with distinct properties.

## Notable Publications

Author	Pubmed ID	Journal	Application
Dongwei Guan	30195801	Biomaterials	WB
Shao-Ling Yang	24809625	Wound Repair Regen	WB, IHC
Xuefei Lu	31235893	Nat Nanotechnol	IHC

## 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:

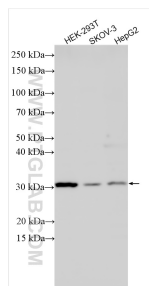
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

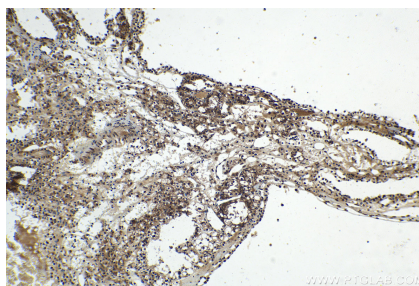
W: [ptgcn.com](http://ptgcn.com)

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

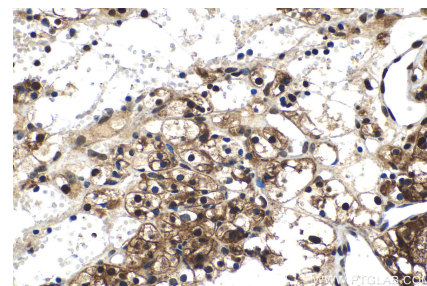
## Selected Validation Data



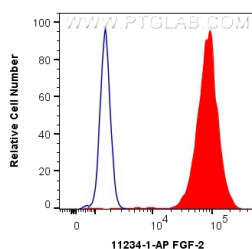
Various lysates were subjected to SDS PAGE followed by western blot with 11234-1-AP (FGF-2 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human renal cell carcinoma tissue slide using 11234-1-AP (FGF-2 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 renal cell carcinoma tissue slide using 11234-1-AP (FGF-2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10<sup>6</sup> K-562 cells were intracellularly stained with 0.4 ug Anti-Human FGF-2 (11234-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).