

For Research Use Only

# FGF9 Polyclonal antibody

Catalog Number: 26554-1-AP



## Basic Information

<b>Catalog Number:</b> 26554-1-AP	<b>GenBank Accession Number:</b> BC069692	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 1000 ug/ml	<b>GeneID (NCBI):</b> 2254	<b>Recommended Dilutions:</b> IHC 1:50-1:500 IF/ICC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P31371	
<b>Isotype:</b> IgG	<b>Full Name:</b> fibroblast growth factor 9 (glia-activating factor)	
<b>Immunogen Catalog Number:</b> AG24244	<b>Calculated MW:</b> 208 aa, 23 kDa	

## Applications

### Tested Applications:

IHC, IF/ICC, ELISA

### Species Specificity:

human

**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 stomach tissue, human prostate cancer tissue, human colon cancer tissue, human small intestine tissue

**IF/ICC:** MCF-7 cells,

## Background Information

Fibroblast growth factor 9 (FGF9) is a critically important and elegantly regulated growth factor that was first identified during a screen for factors acting on cells of the central nervous system (CNS). Over the subsequent two decades of research, FGF9 has been revealed to play a significant role in various biological processes. A key feature of its control is reciprocal compartmentalization, particularly during development, with the epithelium serving as a dominant source and mesenchyme as a prime target. This mesenchyme selectivity is achieved through the high affinity of FGF9 to the IIIc isoforms of FGFR1, 2, and 3. FGF9 is widely expressed in the embryo, including in the developing heart and lungs, and more selectively in adult tissues, such as the CNS and kidneys.

## 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:

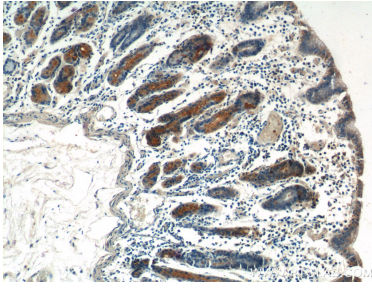
T: 4006900926

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

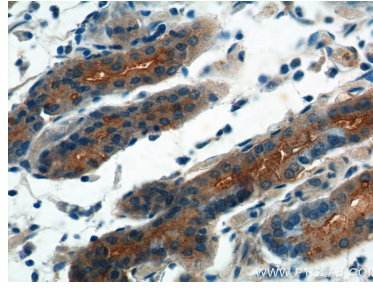
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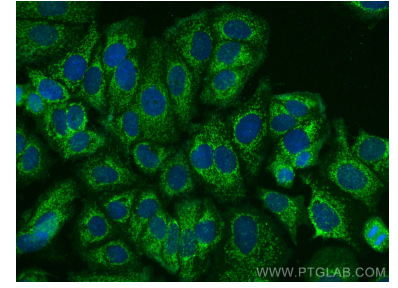
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 26554-1-AP (FGF9 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 26554-1-AP (FGF9 Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using FGF9 antibody (26554-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).