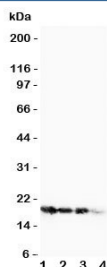


## FGF1 Antibody (R30107)

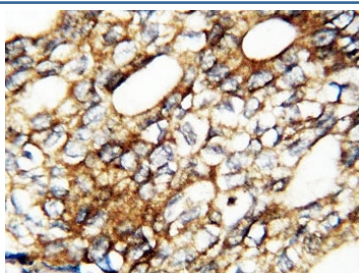
Catalog No.	Formulation	Size
R30107	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 0.025% sodium azide
<b>UniProt</b>	P05230
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	Western Blot (recombinant Protein) : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml ELISA : 0.1-0.5ug/ml (human protein tested)
<b>Limitations</b>	This FGF1 antibody is available for research use only.



Western blot testing of FGF1 antibody and Lane 1: 10ng; 2: 5ng; 3: 2.5ng; 4: SMMC-7721 cell lysate. Expected molecular weight ~17 kDa.



IHC-P: FGF1 antibody testing of human breast cancer tissue

## Description

Fibroblast growth factor 1 (acidic), also known as [FGF1](#)/ECGF/HBGF1, is a human gene which is mapped to 5q31. Human FGF1 shares 96% amino acid sequence homology with both rat and mouse. The protein encoded by this gene is a member of the fibroblast growth factor family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. This protein functions as a modifier of endothelial cell migration and proliferation, as well as an angiogenic factor. It acts as a mitogen for a variety of mesoderm- and neuroectoderm-derived cells in vitro, thus is thought to be involved in organogenesis. Additionally, Acidic fibroblast growth factor is derived from beta-endothelial cell growth factor (ECGFB) by posttranslational processing. Alpha-ECGF is also derived from ECGFB in the same manner.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the FGF1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Human partial recombinant protein (AA 16-155) was used as the immunogen for this FGF1 antibody.

## Storage

After reconstitution, the FGF1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.