



## Rabbit Anti-FGF3 antibody

SL1255R

<b>Product Name:</b>	FGF3
<b>Chinese Name:</b>	纤维母细胞生长因子3抗体
<b>Alias:</b>	FGF 3; Oncogene INT2; Fibroblast growth factor 3; HBGF 3; HBGF3; INT 2; INT 2 proto oncogene protein; INT 2 proto oncogene protein precuros; INT2; INT2 proto oncogene protein precuros; Murine mammary tumor virus integration site (v int 2) oncogene homolog; Murine mammary tumor virus integration site 2; Oncogene INT2; V INT2 murine mammary tumor virus integration site oncogene homolog; FGF3 MOUSE.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	25kDa
<b>Cellular localization:</b>	Secretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human FGF3:66-180/245
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) 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 gene was identified by its similarity with mouse *fgf3/int-2*, a proto-oncogene activated in virally induced mammary tumors in the mouse. Frequent amplification of this gene has been found in human tumors, which may be important for neoplastic transformation and tumor progression. Studies of the similar genes in mouse and chicken suggested the role in inner ear formation.

**Function:**

Fibroblast growth factors (FGFs) can stimulate the proliferation of mesenchymal, epithelial and neuroectodermal cells. FGF3 belongs to the heparin binding growth factors family. Members of the family include Acidic FGF (also known as aFGF or FGF 1), basic FGF (bFGF or FGF 2), FGF 3 (also known as Int2) and FGF 4 (also known as hst or Kaposi FGF). FGF 4 was first revealed to be an oncoprotein in Kaposi's sarcoma cells. Other family members include FGF 5, FGF 6, FGF 7 (keratinocyte growth factor, KGF), FGF 8 (AIGF), FGF 9 (GAF) and FGF 10. FGF3 is activated by proviral insertion of mouse mammary tumor virus (MMTV). FGF3 is responsible for most of breast malignancies.

**Subunit:**

Interacts with FGFR1 and FGFR2. Affinity between fibroblast growth factors (FGFs) and their receptors is increased by heparan sulfate glycosaminoglycans that function as coreceptors (By similarity).

**Subcellular Location:**

Secreted.

**Post-translational modifications:**

Glycosylated.

**Similarity:**

Belongs to the heparin-binding growth factors family.

**SWISS:**

P05524

**Gene ID:**

2248

**Database links:**

[Entrez Gene: 2248](#)Human

[Entrez Gene: 14174](#)Mouse

[Omim: 164950](#)Human

[SwissProt: P11487](#)Human

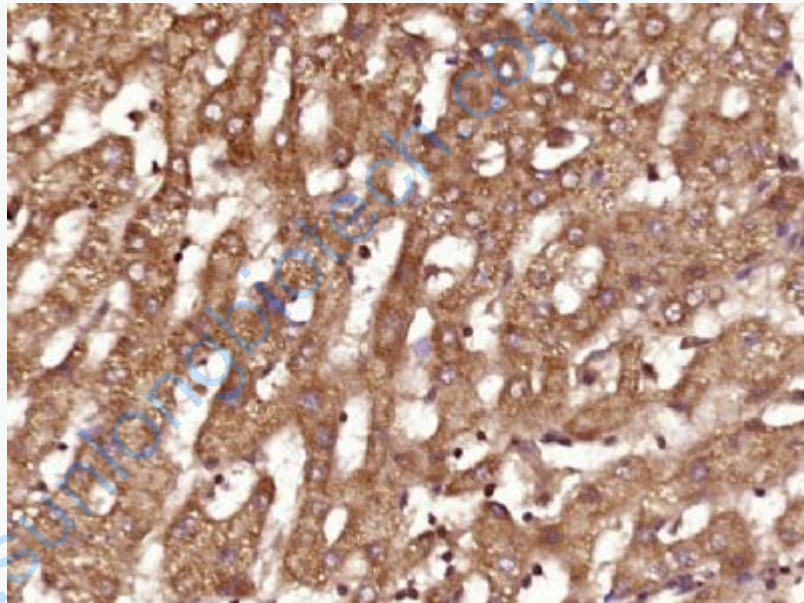
[SwissProt: P05524](#)Mouse

[Unigene: 37092](#)Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

纤维母细胞生长因子3是FGF家族的成员。FGF家族参与一系列的生理功能:胚胎发育、细胞生长、器官形成、组织修复、Tumour生长、侵袭等。FGF3/FGF4在很多恶性Tumour中呈高表达, 被视为原癌基因之一。



**Picture:**

Paraformaldehyde-fixed, paraffin embedded (human liver carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FGF3) Polyclonal Antibody, Unconjugated (SL1255R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.