



Rabbit Anti-FGF5 antibody

SL1257R

Product Name:	FGF5
Chinese Name:	纤维母细胞生长因子5抗体
Alias:	FGF 5; FGF-5; FGF5; FGF5_HUMAN; fibroblast growth factor 5; HBGF 5; HBGF-5; heparin binding growth factor 5; Heparin-binding growth factor 5; Smag 82; Smag-82.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Cow,
Applications:	WB=1:500-2000ELISA=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.
Molecular weight:	78kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human FGF5:151-268/268
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	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 as an oncogene, which confers transforming potential when transfected into mammalian cells. Targeted disruption of the homolog of this gene in mouse resulted in

the phenotype of abnormally long hair, which suggested a function as an inhibitor of hair elongation. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq].

Function:

Functions as an inhibitor of hair elongation by promoting progression from anagen, the growth phase of the hair follicle, into catagen the apoptosis-induced regression phase.

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.

Subcellular Location:

Secreted.

Tissue Specificity:

Expressed in neonatal brain.

Similarity:

Belongs to the heparin-binding growth factors family.

SWISS:

P12034

Gene ID:

2250

Database links:

[Entrez Gene: 2250](#)Human

[Omin: 165190](#)Human

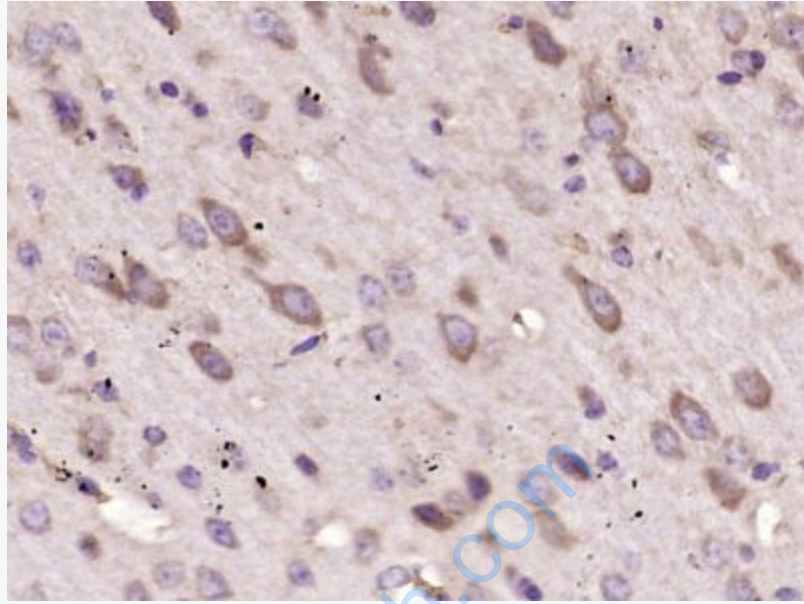
[SwissProt: P12034](#)Human

[Unigene: 37055](#)Human

Important Note:

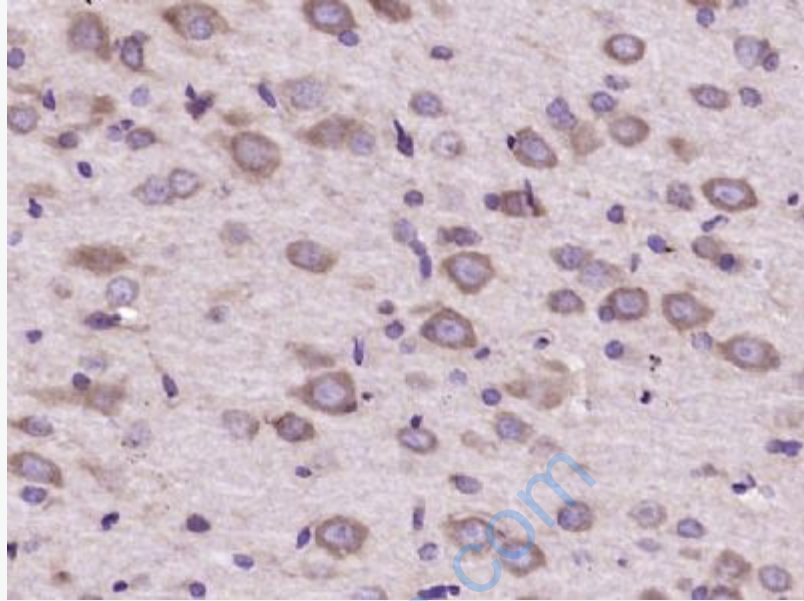
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FGF5是FGF家族的成员,有诱导癌变转化作用。FGF家族参与一系列的生理功能: 胚胎发育、细胞生长、器官形成、组织修复、Tumour生长和侵袭。



Picture:

Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by microwave in sodium citrate buffer (pH 6.0); Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30 min; Antibody incubation with (FGF5) Polyclonal/Monoclonal Antibody, Unconjugated (SL1257R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); Antigen retrieval by microwave in sodium citrate buffer (pH 6.0); Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30 min; Antibody incubation with (FGF5) Polyclonal/Monoclonal Antibody, Unconjugated (SL1257R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.