



## Rabbit Anti-FGF9 antibody

SL5906R

<b>Product Name:</b>	FGF9
<b>Chinese Name:</b>	碱性成纤维细胞生长因子9抗体
<b>Alias:</b>	FGF 9; FGF-9; FGF9; FGF9_HUMAN; Fibroblast growth factor 9; GAF; Glia Activating Factor; Glia-activating factor; HBFG 9; HBFG9; HBGF-9; Heparin-binding growth factor 9; MGC119914; MGC119915.
<b>文献引用</b> <b>PubMed</b> :	<b>Specific References(1)</b> SL5906R has been referenced in 1 publications. [IF=1.70]Yi, Shanyong, et al. "Expression of bioactive recombinant human fibroblast growth factor 9 in oil bodies of Arabidopsis thaliana." Protein Expression and Purification (2015).WB; <a href="https://pubmed.ncbi.nlm.nih.gov/26276471/">PubMed:26276471</a>
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,
<b>Applications:</b>	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.
<b>Molecular weight:</b>	23kDa
<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 FGF9:81-180/208
<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>	<p>May have a role in glial cell growth and differentiation during development, gliosis during repair and regeneration of brain tissue after damage, differentiation and survival of neuronal cells, and growth stimulation of glial tumors.</p> <p><b>Function:</b> Plays an important role in the regulation of embryonic development, cell proliferation, cell differentiation and cell migration. May have a role in glial cell growth and differentiation during development, gliosis during repair and regeneration of brain tissue after damage, differentiation and survival of neuronal cells, and growth stimulation of glial tumors.</p> <p><b>Subunit:</b> Monomer. Homodimer. Interacts with FGFR1, FGFR2, FGFR3 and FGFR4. Affinity between fibroblast growth factors (FGFs) and their receptors is increased by heparan sulfate glycosaminoglycans that function as coreceptors.</p> <p><b>Subcellular Location:</b> Secreted.</p> <p><b>Tissue Specificity:</b> Glial cells.</p> <p><b>Post-translational modifications:</b> Three molecular species were found (30 kDa, 29 kDa and 25 kDa), cleaved at Leu-4, Val-13 and Ser-34 respectively. The smaller ones might be products of proteolytic digestion. Furthermore, there may be a functional signal sequence in the 30 kDa species which is uncleavable in the secretion step.</p> <p><b>DISEASE:</b> Defects in FGF9 are the cause of multiple synostoses syndrome type 3 (SYNS3) [MIM:612961]. Multiple synostoses syndrome is an autosomal dominant condition characterized by progressive joint fusions of the fingers, wrists, ankles and cervical spine, characteristic facies and progressive conductive deafness.</p> <p><b>Similarity:</b> Belongs to the heparin-binding growth factors family.</p> <p><b>SWISS:</b> P31371</p> <p><b>Gene ID:</b> 2254</p>

**Database links:**

[Entrez Gene: 378917](#)Chicken

[Entrez Gene: 2254](#)Human

[Entrez Gene: 14180](#)Mouse

[Entrez Gene: 396717](#)Pig

[Entrez Gene: 25444](#)Rat

[Omim: 600921](#)Human

[SwissProt: P31371](#)Human

[SwissProt: P54130](#)Mouse

[SwissProt: Q95L12](#)Pig

[SwissProt: P36364](#)Rat

[Unigene: 111](#)Human

[Unigene: 8846](#)Mouse

[Unigene: 25174](#)Rat

**Important Note:**

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

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