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Rabbit Anti-FGF20/Cy5 Conjugated antibody

SL5772R-Cy5

Product Name	Anti-FGF20/Cy5
Chinese Name	Cy5 标记的成纤维细胞生长因子 20 抗体
Alias	FGF-20; Fgf20; FGF20_HUMAN; FGFK; Fibroblast Growth Factor 20.
Research Area	Tumour immunology Signal transduction Growth factors and hormones
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Mouse,Rat(predicted:Human,Chicken,Dog,Cow)
Applications	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	23kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human FGF20.
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	**background:** The protein encoded by this gene is a member of the fibroblast growth factor family. The fibroblast growth factors 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 product is a secreted neurotrophic factor but lacks a typical signal peptide. It is expressed in normal brain, particularly the cerebellum, and may regulate central nervous system development and function. Homodimerization of this protein was shown to regulate its receptor

binding activity and concentration gradient in the extracellular matrix. Genetic variations of this gene have been associated with Parkinson disease susceptibility. [provided by RefSeq, Oct 2009].

Function:
Neurotrophic factor that regulates central nervous development and function.

Subunit:
Homodimer. Interacts with FGFR2 and FGFR4. Affinity between fibroblast growth factors (FGFs) and their receptors is increased by heparan sulfate glycosaminoglycans that function as coreceptors.

Subcellular Location:
Secreted.

Tissue Specificity:
Predominantly expressed in the cerebellum.

Similarity:
Belongs to the heparin-binding growth factors family.

Database links:

Entrez Gene: 26281 Human

Entrez Gene: 80857 Mouse

Entrez Gene: 66017 Rat

Omim: 605558 Human

SwissProt: Q9NP95 Human

SwissProt: Q9ESL9 Mouse

SwissProt: Q9EST9 Rat

Unigene: 199905 Human

Unigene: 425526 Mouse

Unigene: 64492 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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