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[Marker Primary Antibody]

Rabbit Anti-FGF20/Cy3 Conjugated antibody

Catalog Number: SL5772R-Cy3

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-FGF20/Cy3
Immunogen:	KLH conjugated synthetic peptide derived from human FGF20.
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
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.
Applications:	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse,Rat(predicted:Human,Chicken,Dog,Cow)
Background:	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

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	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.