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[Marker Primary Antibody]

Rabbit Anti-FGF19/HRP Conjugated antibody

Catalog Number: SL5771R-HRP

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-FGF19/HRP
Immunogen:	KLH conjugated synthetic peptide derived from human FGF19
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:	IHC-P=1:100-500 IHC-F=1:100-500 ELISA=1:500-5000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human)
Background:	background: Fibroblast growth factor-1 (FGF-1), also designated acidic FGF, and fibroblast growth factor-2 (FGF-2), also designated basic FGF, are members of a family of growth factors that stimulate proliferation of cells of mesenchymal, epithe-lial and neuroectodermal origin. Additional members of the FGF family include the oncogenes FGF-3 (Int2) and FGF-4 (hst/Kaposi), FGF-5, FGF-6, FGF-7 (KGF), FGF-8 (AIGF), FGF-9 (GAF) and FGF-10–FGF-23. Members of the FGF family share 30-55% amino acid sequence identity and similar gene structure, and are capable of transforming cultured cells when overexpressed in transfected cells. Cellular receptors for FGFs are members of a second multigene family including four tyrosine kinases, designated Flg (FGFR-1), Bek (FGFR-L), TKF and FGFR-3. **Function:** Involved in the suppression of bile acid biosynthesis through down-regulation of CYP7A1 expression, following positive regulation of the JNK

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	and ERK1/2 cascades. Stimulates glucose uptake in adipocytes. Activity requires the presence of KLB. **Subunit:** Interacts with FGFR1, FGFR2, FGFR3 and FGFR4. Affinity between fibroblast growth factors (FGFs) and their receptors is increased by KL, KLB and heparan sulfate glycosaminoglycans that function as coreceptors. Interacts with KL; this interaction is direct. Interacts with KLB; this interaction is direct. Interacts with FGFR4 in the presence of heparin, KL or KLB. **Subcellular Location:** Secreted. **Tissue Specificity:** Expressed in fetal brain, cartilage, retina, and adult gall bladder. **Similarity:** Belongs to the heparin-binding growth factors family. **Database links:** **Entrez Gene:** 9965 Human Omim: 603891 Human **SwissProt:** O95750 Human **Unigene:** 249200 Human Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.