

FGF19 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP58309

Product Information

Application IHC-P, IHC-F, IF, E

Primary Accession

Reactivity

Host

Clonality

Calculated MW

Physical State

C95750

Human

Rabbit

Polyclonal

24003

Liquid

Immunogen KLH conjugated synthetic peptide derived from human FGF19

Epitope Specificity 55-150/216 **Isotype** IgG

Purity affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Secreted.

SIMILARITY Belongs to the heparin-binding growth factors family.

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.

Important Note This product as supplied is intended for research use only, not for use in

human, therapeutic or diagnostic applications.

Background Descriptions 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.

Additional Information

Gene ID 9965

Other Names Fibroblast growth factor 19, FGF-19, FGF19

Target/Specificity Expressed in fetal brain, cartilage, retina, and adult gall bladder.

Dilution IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000

Format 0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce

Storage Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name FGF19

Function Involved in the suppression of bile acid biosynthesis through

down-regulation of CYP7A1 expression, following positive regulation of the JNK and ERK1/2 cascades. Stimulates glucose uptake in adipocytes. Activity

requires the presence of KLB and FGFR4.

Cellular Location Secreted.

Tissue Location Expressed in fetal brain, cartilage, retina, and adult gall bladder.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.