

Anti-FGF19 Picoband Antibody

Catalog # ABO11679

Product Information

Application	WB, E
Primary Accession	O95750
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Fibroblast growth factor 19(FGF19) detection. Tested with WB, ELISA in Human.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	9965
Other Names	Fibroblast growth factor 19, FGF-19, FGF19
Calculated MW	24003
Application Details	ELISA , 0.1-0.5 µg/ml, Human, - Western blot, 0.1-0.5 µg/ml, Human
Subcellular Localization	Secreted.
Tissue Specificity	Expressed in fetal brain, cartilage, retina, and adult gall bladder. .
Source	Eukaryota
Protein Name	Fibroblast growth factor 19
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Immunogen	E. coli-derived human FGF19 recombinant protein (Position: L25-K216).
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins.
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

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.

Background

FGF19, Fibroblast growth factor 19, is a protein that in humans is encoded by the FGF19 gene. The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. The FGF19 gene is mapped to 11q13.3. The deduced 216-amino acid FGF19 protein contains a signal sequence and 2 cysteine residues that are conserved in the FGF family. Expression of this gene was detected only in fetal but not adult brain tissue. Synergistic interaction of the chick homolog and Wnt-8c has been shown to be required for initiation of inner ear development. FGF19 stimulates hepatic protein and glycogen synthesis but does not induce lipogenesis. The effects of FGF19 are independent of the activity of either insulin or the protein kinase Akt and, instead, are mediated through a mitogen-activated protein kinase signaling pathway that activates components of the protein translation machinery and stimulates glycogen synthase activity. FGF19 is the orthologous protein in humans. They are often referred together as FGF15/19.

Images



Western blot analysis of FGF19 expression in HELA whole cell lysates (lane 1). FGF19 at 24KD was detected using rabbit anti- FGF19 Antigen Affinity purified polyclonal antibody (Catalog # ABO11679) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .

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