

**Anti-FGF19 Antibody**  
Catalog # ABO10795

**Specification**

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**Anti-FGF19 Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">O95750</a>
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Fibroblast growth factor 19(FGF19) detection. Tested with WB, IHC-P in Human.

**Reconstitution**

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

**Anti-FGF19 Antibody - Additional Information**

**Gene ID** 9965

**Other Names**

Fibroblast growth factor 19, FGF-19, FGF19

**Calculated MW**

24003 MW KDa

**Application Details**

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat<br>Western blot, 0.1-0.5 µg/ml, Human<br>

**Subcellular Localization**

Secreted.

**Tissue Specificity**

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

**Protein Name**

Fibroblast growth factor 19(FGF-19)

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Thimerosal, 0.05mg NaN<sub>3</sub>.

**Immunogen**

A synthetic peptide corresponding to a sequence in the middle region of human FGF19(124-140aa EEIRPDGYNVYRSEKHR).

**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.**

**Anti-FGF19 Antibody - 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.

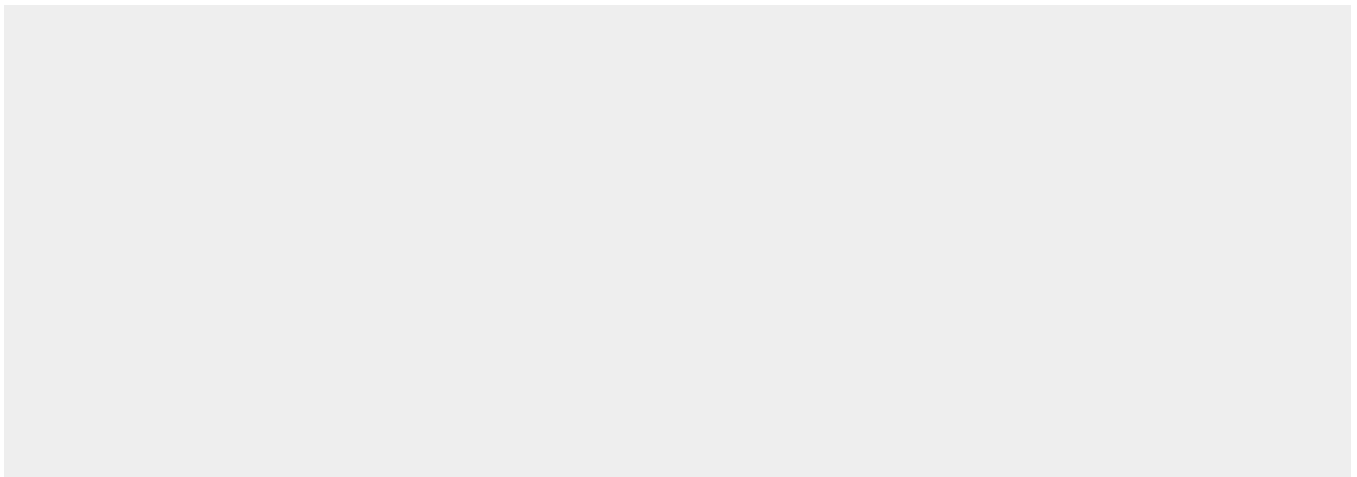
**Tissue Location**

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

**Anti-FGF19 Antibody - Protocols**

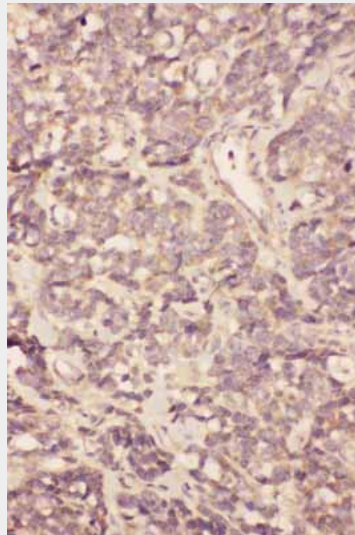
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-FGF19 Antibody - Images**



Anti-FGF19 antibody, ABO10795, Western blotting All lanes: Anti FGF19 (ABO10795) at 0.5ug/ml Lane 1: U87 Whole Cell Lysate at 40ug Lane 2: SMMC Whole Cell Lysate at 40ug Predicted bind size: 24KD Observed bind size: 24KD



Anti-FGF19 antibody, ABO10795, IHC(P) IHC(P): Human Gallbladder Cancer Tissue

### Anti-FGF19 Antibody - 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.