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# Anti-FGF19 Antibody

Catalog # AP53724

## Product Information

| | |
|---|---|
| **Application** | WB, IF/IC |
| **Primary Accession** | O95750 |
| **Reactivity** | Human, Mouse, Mk |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 24003 |

## Additional Information

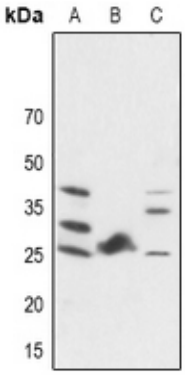
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|---|---|
| **Gene ID** | 9965 |
| **Other Names** | Fibroblast growth factor 19; FGF-19 |
| **Target/Specificity** | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human FGF19. The exact sequence is proprietary. |
| **Dilution** | WB~~1/500 - 1/1000 IF/IC~~N/A |
| **Format** | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| **Storage** | Store at -20 °C.Stable for 12 months from date of receipt |

## Protein Information

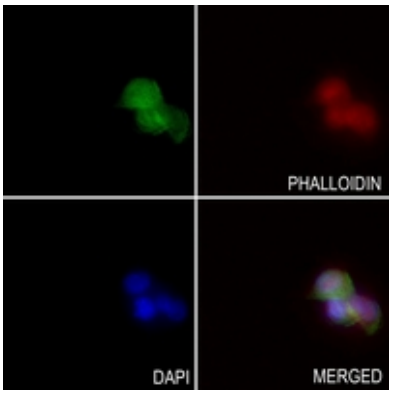
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|---|---|
| **Name** | FGF19 |
| **Function** | Involved in the suppression of bile acid biosynthesis through down-regulation of CYP7A1 expression, following positive regulation of the JNK and ERK1/2 cascades. Stimulates glucose uptake in adipocytes. Activity requires the presence of KLB and FGFR4. |
| **Cellular Location** | Secreted. |
| **Tissue Location** | Expressed in fetal brain, cartilage, retina, and adult gall bladder. |

## Images

Western blot analysis of FGF19 expression in Hela (A), mouse liver (B), PC3 (C) whole cell lysates. (Predicted




band size: 24 kD; Observed band size: 24 kD)




Immunofluorescent analysis of FGF19 staining in VB2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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