FXR polyclonal antibody

Catalog: BCP00794 Host: Rabbit Reactivity: Human

BackGround:

The farnesoid X receptor (FXR/NR1H4) is a member of the nuclear hormone receptor superfamily and is a master regulator of bile acid synthesis. FXR/NR1H4 heterodimerizes with RXR-alpha upon activation by bile acids, which begins a regulatory cascade involving SHP and LRH-1 to control lipid homeostasis. FXR/NR1H4 has also been shown to be a critical regulator of glucose homeostasis. In addition to directly regulating genes, FXR/NR1H4 also plays a post transcriptional role in bile acid metabolism by transcribing the RNA-binding protein ZFP36L1, which in turn downregulates the key enzyme Cyp7a1. Mutations in human FXR/NR1H4 have been shown to cause cholestasis and liver disease in neonatal patients. FXR/NR1H4 can also control Lgr5+ intestinal stem cell proliferation and its upregulation has been shown to inhibit colorectal cancer progression. Agonists against FXR/NR1H4 are being evaluated for various liver diseases and diabetes.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2.

Molecular Weight:

~ 67 kDa

Swiss-Prot:

Q96RI1

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:1000~1:2000

Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

FXR polyclonal antibody detects endogenous levels of FXR protein.

DATA:

Western blot (WB) analysis of FXR polyclonal antibody at 1:1000 dilution

Lane1:HEK293T whole cell lysate(40ug)

Lane2:HepG2 whole cell lysate(40ug

Note:

For research use only, not for use in diagnostic procedure.

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