NR1H4 Antibody / FXR (C-Terminal Region) (R32869)

| Catalog No.	Formulation	Size
R32869	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	Q96RI1
Applications	Western Blot : 0.5-1ug/ml Immunofluorescence : 2-4ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This NR1H4 antibody is available for research use only.
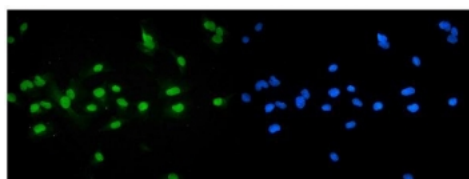
IF/ICC staining of FFPE human A549 cells with NR1H4 antibody (green) at 2ug/ml and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.
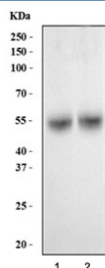
Western blot testing of human 1) HCCT and 2) HCCP cell lysate with NR1H4 antibody at 0.5ug/ml. Predicted molecular weight ~54 kDa.
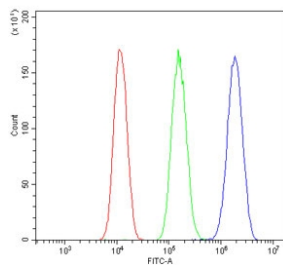
Flow cytometry testing of human A549 cells with NR1H4 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= NR1H4 antibody.

Description

The bile acid receptor (BAR), also known as farnesoid X receptor (FXR) or NR1H4 (nuclear receptor subfamily 1, group H, member 4) is a nuclear receptor that is encoded by the NR1H4 gene in humans. This gene encodes a ligand-activated transcription factor that shares structural features in common with nuclear hormone receptor family members. This protein functions as a receptor for bile acids, and when bound to bile acids, binds to DNA and regulates the expression of genes involved in bile acid synthesis and transport.

Application Notes

Optimal dilution of the NR1H4 antibody should be determined by the researcher.

Immunogen

Amino acids 442-486 (QHFACLLGRLTELRTFNHHHAEMLMSWRVNDHKFTPLLCEIWDVQ) were used as the immunogen for the NR1H4 antibody.

Storage

After reconstitution, the NR1H4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.