

Product datasheet for **CF809306**

Bile Acid Receptor (NR1H4) Mouse Monoclonal Antibody [Clone ID: OTI4F12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4F12
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 21-297 of human NR1H4 (NP_005114) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	nuclear receptor subfamily 1 group H member 4
Database Link:	NP_005114 Entrez Gene 20186 Mouse Entrez Gene 60351 Rat Entrez Gene 9971 Human Q96R11



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Background:

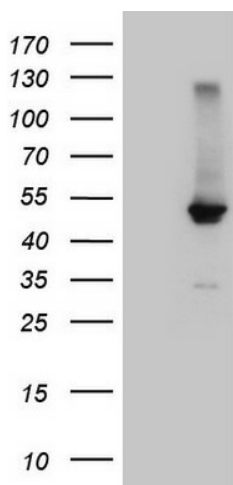
This gene encodes a ligand-activated transcription factor, which shares structural features in common with nuclear hormone receptor family, such as a DNA-binding domain that targets the receptor to specific DNA sequences, and a ligand-binding domain, which interacts directly with the ligand and contains a ligand-dependent transcriptional activation domain. This protein functions as a receptor for bile acids, and when bound to bile acids, regulates the expression of genes involved in bile acid synthesis and transport. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Aug 2011]

Synonyms:

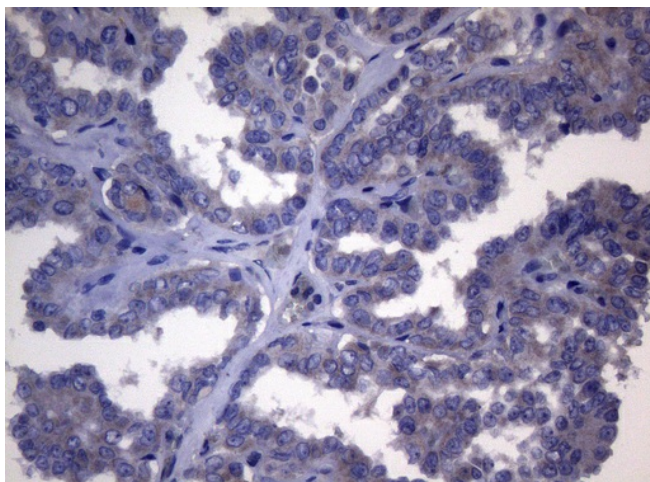
BAR; FXR; HRR-1; HRR1; PFIC5; RIP14

Protein Families:

Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

Product images:

HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY NR1H4 (Cat# [RC217443], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NR1H4 (Cat# [TA809306])(1:2000). Positive lysates [LY401577] (100ug) and [LC401577] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-NR1H4 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.