

Product datasheet

Anti-Bile Acid Receptor NR1H4 antibody [322.1.2.2] - N-terminal ab187735

[4 References](#) [4 Images](#)

Overview

Product name	Anti-Bile Acid Receptor NR1H4 antibody [322.1.2.2] - N-terminal
Description	Mouse monoclonal [322.1.2.2] to Bile Acid Receptor NR1H4 - N-terminal
Host species	Mouse
Tested applications	Suitable for: ICC/IF, Flow Cyt, WB, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to Human Bile Acid Receptor NR1H4 aa 1-100 (N terminal) conjugated to ovalbumin. NP_005114.1. Database link: Q96RI1-2

 [Run BLAST with](#)

 [Run BLAST with](#)

Positive control Human liver tissue; Bile Acid Receptor NR1H4-transfected Alexander cells.

General notes

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Constituent: 100% PBS
Purity	Protein G purified
Clonality	Monoclonal
Clone number	322.1.2.2
Isotype	IgG1

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab187735 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 10 µg/ml.
Flow Cyt		Use at an assay dependent concentration. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
WB		Use a concentration of 8 µg/ml. Predicted molecular weight: 56 kDa.
IHC-P		Use a concentration of 20 µg/ml.

Target

Function

Ligand-activated transcription factor. Receptor for bile acids such as chenodeoxycholic acid, lithocholic acid and deoxycholic acid. Represses the transcription of the cholesterol 7-alpha-hydroxylase gene (CYP7A1) through the induction of NR0B2 or FGF19 expression, via two distinct mechanisms. Activates the intestinal bile acid-binding protein (IBABP). Activates the transcription of bile salt export pump ABCB11 by directly recruiting histone methyltransferase CARM1 to this locus.

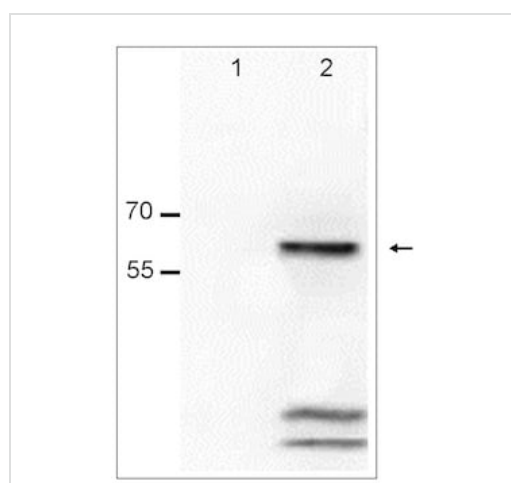
Sequence similarities

Belongs to the nuclear hormone receptor family, NR1 subfamily.
Contains 1 nuclear receptor DNA-binding domain.

Cellular localization

Nucleus.

Images



Western blot - Anti-Bile Acid Receptor NR1H4 antibody [322.1.2.2] - N-terminal (ab187735)

All lanes : Anti-Bile Acid Receptor NR1H4 antibody [322.1.2.2] - N-terminal (ab187735) at 8 µg/ml

Lane 1 : Alexander cell lysate

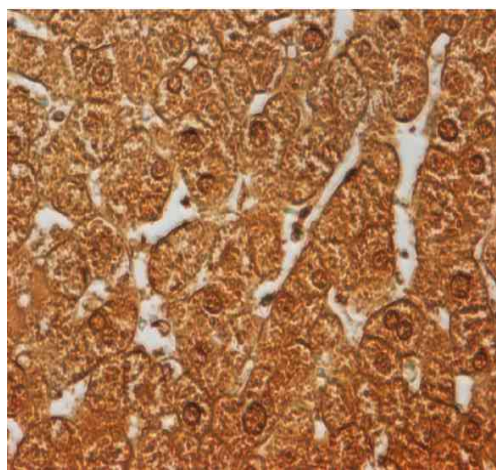
Lane 2 : Alexander cell lysate transfected with Bile Acid Receptor NR1H4

Secondary

All lanes : HRP-labeled goat anti-mouse IgG at 1/2000 dilution

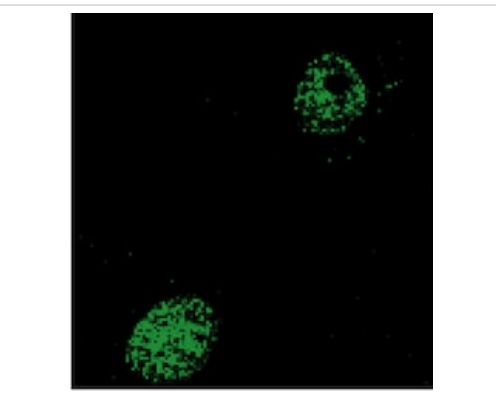
Developed using the ECL technique.

Predicted band size: 56 kDa



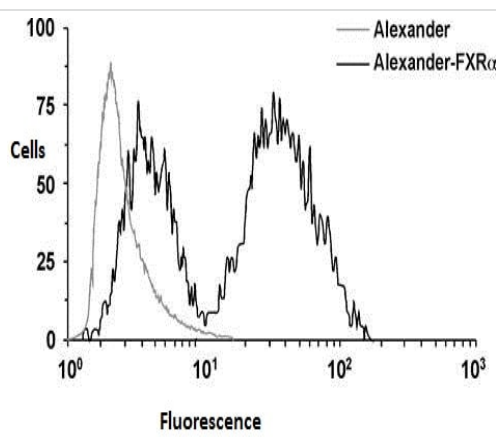
Immunohistochemical analysis of paraffin-embedded Human liver tissue labeling Bile Acid Receptor NR1H4 with ab187735 at 20 $\mu\text{g/ml}$.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bile Acid Receptor NR1H4 antibody [322.1.2.2] - N-terminal (ab187735)



Immunofluorescent analysis of Bile Acid Receptor NR1H4-transfected Alexander cells labeling Bile Acid Receptor NR1H4 with ab187735 at 10 $\mu\text{g/ml}$.

Immunocytochemistry/ Immunofluorescence - Anti-Bile Acid Receptor NR1H4 antibody [322.1.2.2] - N-terminal (ab187735)



Flow Cytometry of Alexander cells.
 Gray line: control cells
 Black line: cells transfected with FXR α
 Transfection efficiency: 60%

Flow Cytometry - Anti-Bile Acid Receptor NR1H4 antibody [322.1.2.2] - N-terminal (ab187735)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors