

Anti-NR112 Polyclonal Antibody

Product Details

Ig Type: IgG
Reactivity: Human, Mouse (predicted: Rat, Pig, Cow, Horse)
Molecular Weight: Theoretical: 48 kDa. Actual: 48 kDa.
Purification: Protein A purified

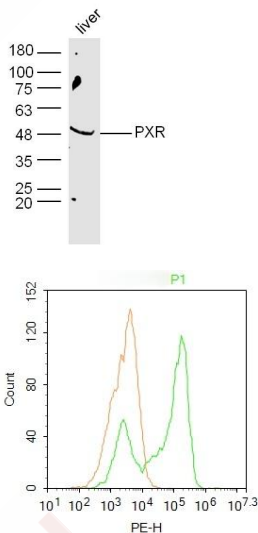
Applications

1. Sample: Liver (Mouse) Lysate at 40 µg
Primary: Anti-PXR (TMAB-01265) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 48 kDa
Observed band size: 48 kDa
2. Blank control: HepG2. Primary Antibody (green line): Rabbit Anti-PXR antibody (TMAB-01265)
Dilution: 2 µg/10⁶ cells;
Isotype Control Antibody (orange line): Rabbit IgG.
Secondary Antibody: Goat anti-rabbit IgG-PE
Dilution: 1 µg/test.

Verified Activity:

Protocol

The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.



Application: FCM, WB
Recommended WB: 1:500-2000; FCM: 2ug/Test

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human PXR

Antigen Species: Human

Gene ID: 8856

Uniprot ID: O75469

Synonyms: PXR;Nuclear receptor subfamily 1 group I member 2;Orphan nuclear receptor PAR1;Orphan nuclear receptor PXR;NR1I2;Pregnane X receptor;Steroid and xenobiotic receptor (SXR)

Biology Area: Orphan Nuclear Receptors,Transcription Factors,Drug metabolism,Cancer,Hormones,Drug metabolism

Research Background

The human nuclear pregnane X receptor (PXR) activates cytochrome P450-3A expression in response to a wide variety of xenobiotics and plays a critical role in mediating dangerous drug-drug interactions. The human PXR is related to the mouse Pxr1, which they had cloned and shown to be activated by dexamethasone, pregnenolone 16-alpha-carbonitrile (PCN), and other compounds known to induce expression of the CYP3A1 gene, the predominant form of CYP3A in rat liver and intestine. Northern blot analysis detected most abundant expression in liver, colon, and small intestine; transcripts of 2.6, 4.3, and 5 kb were present in each of these tissues.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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