bs-2334R **[Primary Antibody]**

PXR Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 8856 **SWISS:** O75469

Target: PXR

Immunogen: KLH conjugated synthetic peptide derived from human PXR: 51-150/434.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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.

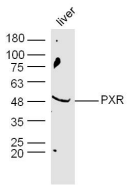
Applications: **WB** (1:500-2000)
Flow-Cyt (2ug/Test)

Reactivity: Human, Mouse (predicted: Rat, Pig, Cow, Horse)

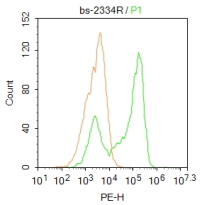
Predicted MW.: 48 kDa

Subcellular Location: Nucleus

VALIDATION IMAGES



Sample: Liver (Mouse) Lysate at 40 ug Primary: Anti- PXR (bs-2334R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 48 kD Observed band size: 48 kD



Blank control:HepG2. Primary Antibody (green line): Rabbit Anti-PXR antibody (bs-2334R) Dilution: 2µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-PE Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min 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. Acquisition of 20,000 events was performed.

SELECTED CITATIONS

- **[IF=5.58]** Zhou, Xiaoqiao, et al. "Cecropin B Represses CYP3A29 Expression through Activation of the TLR2/4-NF-κB/PXR Signaling Pathway." Scientific Reports6 (2016): 27876. Other ;="Pig". 27296244
- **[IF=4.9]** Takanori Matsui. et al.Apixaban Inhibits Progression of Experimental Diabetic Nephropathy by Blocking

Advanced Glycation End Product-Receptor Axis.INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES. IHC ;. 10.3390/ijms26073007

- **[IF=5.014]** Desirée Bartolini. et al. Alpha-Tocopherol Metabolites (The Vitamin E Metabolome) and Their Interindividual Variability during Supplementation. Antioxidants-Basel. 2021 Feb;10(2):173 WB ;Human. 33503988
- **[IF=4.757]** Xianyu Huang. et al. Transcriptome Analysis of Protection by Dendrobium Nobile Alkaloids (DNLA) against Chronic Alcoholic Liver Injury in Mice. BIOMEDICINES. 2022 Nov;10(11):2800 WB ;Mouse. 36359319
- **[IF=4.4]** Shantong Qiu. et al. HNF4α improves hepatocyte regeneration by upregulating PXR. FASEB J. 2024 Jul;38(14):e23830 IF,WB ;Mouse. 39072875