Immunoway
Best Tools for immunology Research

# PXR Polyclonal Antibody

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| **Catalog No :** | YT3911 |
| **Reactivity :** | Human;Rat;Mouse; |
| **Applications :** | WB;ELISA |
| **Target :** | PXR |
| **Gene Name :** | NR1I2 |
| **Protein Name :** | Nuclear receptor subfamily 1 group I member 2 |
| **Human Gene Id :** | 8856 |
| **Human Swiss Prot No :** | O75469 |
| **Mouse Swiss Prot No :** | O54915 |
| **Immunogen :** | The antiserum was produced against synthesized peptide derived from human NR1I2. AA range:91-140 |
| **Specificity :** | PXR Polyclonal Antibody detects endogenous levels of PXR protein. |
| **Formulation :** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Source :** | Polyclonal, Rabbit,IgG |
| **Dilution :** | WB 1:500 - 1:2000. ELISA: 1:40000. Not yet tested in other applications. |
| **Purification :** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Concentration :** | 1 mg/ml |
| **Storage Stability :** | -15°C to -25°C/1 year(Do not lower than -25°C) |
| **Observed Band :** | 50kD |

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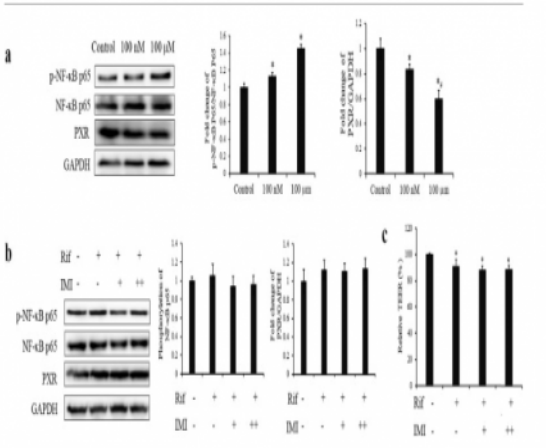
**Background :** This gene product belongs to the nuclear receptor superfamily, members of which are transcription factors characterized by a ligand-binding domain and a DNA-binding domain. The encoded protein is a transcriptional regulator of the cytochrome P450 gene CYP3A4, binding to the response element of the CYP3A4 promoter as a heterodimer with the 9-cis retinoic acid receptor RXR. It is activated by a range of compounds that induce CYP3A4, including dexamethasone and rifampicin. Several alternatively spliced transcripts encoding different isoforms, some of which use non-AUG (CUG) translation initiation codon, have been described for this gene. Additional transcript variants exist, however, they have not been fully characterized. [provided by RefSeq, Jul 2008],

**Function :** function:Orphan receptor; its natural ligand is probably pregnane. Binds to a response element in the CYP3A4 and ABCB1/MDR1 genes promoter. Activates its expression in response to a wide variety of endobiotics and xenobiotics.,induction:Activated by naturally occurring steroids such as pregnenolone and progesterone.,similarity:Belongs to the nuclear hormone receptor family. NR1 subfamily.,similarity:Contains 1 nuclear receptor DNA-binding domain.,subunit:Forms a heterodimer with RXR.,tissue specificity:Expressed in liver, colon and small intestine.,

**Subcellular Location :** Nucleus .

**Expression :** Expressed in liver, colon and small intestine.

## Products Images




Zhao, Guo-Ping, et al. "Imidacloprid increases intestinal permeability by disrupting tight junctions." Ecotoxicology and Environmental Safety 222 (2021): 112476.