



PXR Polyclonal Antibody

E20-73911

Catalog Number:E20-73911

Applications:WB,ELISA

Reactivity:Human

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:Rabbit

Dilution:Western Blot: 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:-20°C/1 year

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

Observed Band (KD):50

Background:nuclear receptor subfamily 1 group I member 2(NR1I2) Homo sapiens 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.

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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.

Subcellular Location: nucleus, nucleoplasm.

Expression: Hepatoma, Liver, Peripheral blood.

