

PXR Polyclonal Antibody

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: 054915

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

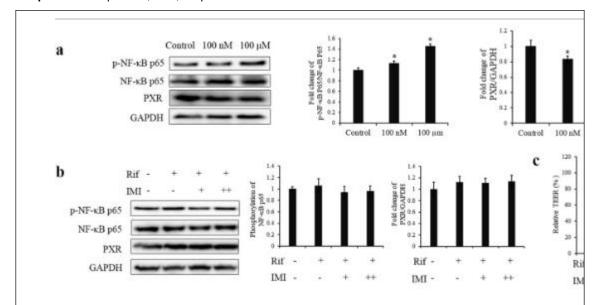
Observed Band (KD):50

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.

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.

Subcellular Location: nucleus, nucleoplasm.

Expression:Hepatoma,Liver,Peripheral blood.



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