

PXR Polyclonal Antibody

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

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.,

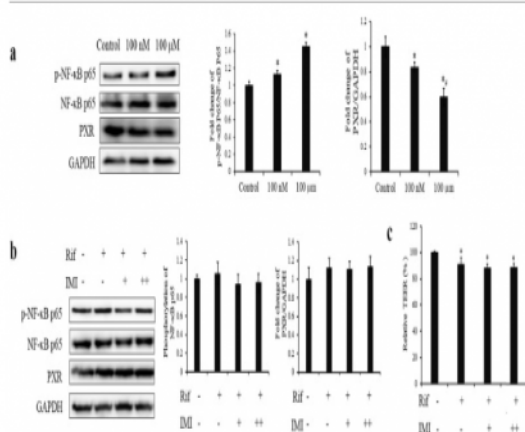
Subcellular Location :

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.