

## NR1I2

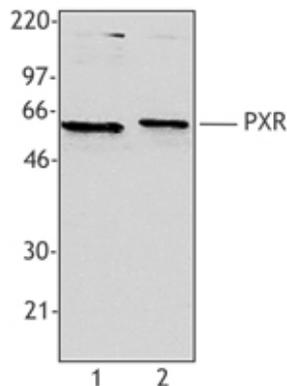
### Rabbit Anti-Human Nuclear Receptor subfamily 1 group I member 2 Clone Poly6169 pAb

<b>Catalog No.</b>	CSI14388 CSI14389	<b>Quantity:</b>	50 µl 200 µl
<b>Alternate Names:</b>	BXR, ONR1, PAR, PAR1, PAR2, PARq, PRR, PXR, SAR, SXR, orphan nuclear receptor PXR, steroid and xenobiotic receptor		
<b>Description:</b>	PXR (also known as orphan nuclear receptor PXR, pregnane X receptor, orphan nuclear receptor PAR1, and steroid and xenobiotic receptor (SXR)) is a member of the nuclear hormone receptor family, NR1 subfamily containing a zinc finger domain. Alternatively spliced variants of this receptor have been reported. This nuclear protein has a molecular weight of 50 kD and is highly expressed in liver, colon, and small intestine. PXR is an orphan receptor whose natural ligand is probably pregnane. PXR binds to the promoter response element in cytochrome p450 gene monooxygenase CYP3A4 and activates expression in response to variety of endobiotics and xenobiotics. PXR is activated by naturally occurring steroids such as pregnenolone and progesterone and can also be activated by dexamethasone and rifampicin. PXR forms a heterodimer with RXR. The Poly6169 antibody recognizes human and mouse PXR and has been shown to be useful for Western blotting.		
<b>Structure:</b>	Nuclear hormone receptor family, NR1 subfamily, zinc finger domain, alternately spliced variants; 50 kD.		
<b>Gene ID:</b>	8856		
<b>Distribution:</b>	Nuclear. Highly expressed in liver, colon, small intestine.		
<b>Function:</b>	Orphan receptor, natural ligand probably pregnan. Binds to promoter response element in cytochrome p450 gene monooxygenase CYP3A4. Activates expression in response to variety of endobiotics, xenobiotics.		
<b>Host:</b>	Rabbit		
<b>Immunogen:</b>	Recombinant (partial) , N-terminal		
<b>Isotype:</b>	IgG		
<b>Clone:</b>	Poly6169		
<b>Regulation:</b>	Activated by naturally occurring steroids such as pregnenolone and progesterone, also activated by dexamethasone and rifampicin.		
<b>Formulation:</b>	This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol. <b>Precaution:</b> Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		



- Purification:** The antibody was purified by antigen-affinity chromatography.
- Interaction:** Heterodimer with RXR
- Reactivity:** Human, Mouse
- Applications:** Western Blot
- Recommended Usage:** Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 10 µl per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.
- Storage & Stability:** Upon receipt, store frozen at -20° C.

HepG2 cell nuclear extract (lane 1) and whole cell extract from mouse splenocytes (lane 2) were resolved by electrophoresis, transferred to nitrocellulose and probed with rabbit anti-PXR antibody. Proteins were visualized using a donkey anti-rabbit secondary antibody conjugated to HRP and a chemiluminescence system



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