

DATASHEET

SXR Rabbit Polyclonal Antibody

CAT. NO. APA16327

KEY FEATURES

Target	SXR	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

Nuclear receptor that acts as a transcription factor regulating genes involved in the metabolism and excretion of xenobiotics, drugs, and endogenous compounds. Activated by a broad range of endogenous steroids (e.g. pregnenolone, progesterone) and xenobiotics, including the antibiotic rifampicin and certain plant-derived metabolites. Upon ligand binding, translocates to the nucleus, forms a heterodimer with the retinoid X receptor/RXR, and binds to response elements in target promoters, leading to transcriptional activation. Target genes include cytochrome P450 enzymes such as CYP3A4 and ATP-binding cassette transporters including ABCB1/MDR1.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IHC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to SXR
Specificity	Recognizes endogenous levels of SXR protein
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide of human SXR. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 39; Observed: 53 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	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
Gene Symbol	NR1I2
Entrez Gene	8856(Human); 18171(Mouse); 84385(Rat)
SwissProt	O75469(Human); O54915(Mouse); Q9R1A7(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

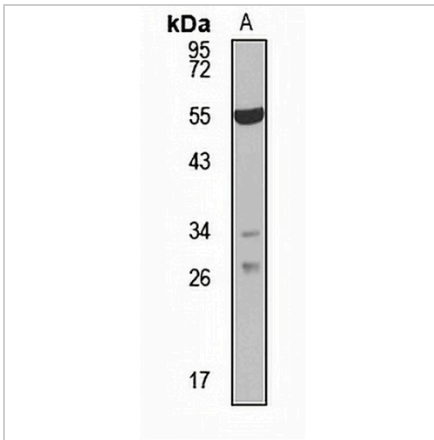
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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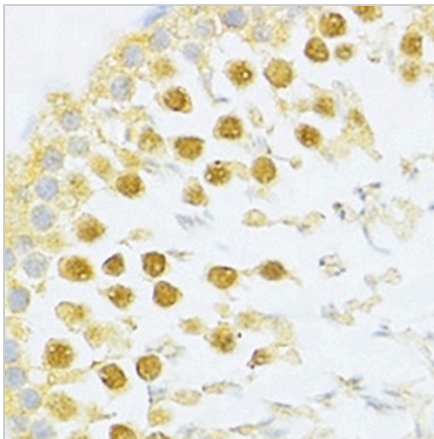
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DATA



Western blot analysis of SXR expression in rat liver (A) whole cell lysates. (Predicted band size: 39; 43; 45; 48; 49; 52; 53 kD; Observed band size: 53 kD)



Immunohistochemical analysis of SXR staining in rat testis formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.