

Anti human PXR-2 common mouse monoclonal antibody

PXR: Pregnane X receptor, SXR

Code No	PP-H0502-00
Clone No.	H0502
Lot.	A-2
Concentration	1 mg/mL
Volume	100 uL
Ig Class	G2b
Description	Pregnane-activated receptor (PXR,SXR, PAR, PAR1, PAR2, NR1I2) is a member of nuclear receptor subfamily , which each orthologues historically given different names as pregnane-activated receptor in mice and steroid- and xenobiotic-sensing nuclear receptor in human, PXR binds to rifampicin (an antibiotics) is the most efficient activator in human. Various studies revealed PXR regulates CYP3A gene expression as well as other xenobiotic metabolisms, such as oxidation, conjugation and transport. Many chemicals are known to bind for PXR as activators, eg. the HIV protease inhibitor ritonavir, the anticancer drug paclitaxel, the endocrine disruptor bisphenol A. Expression of PXR founds in the liver, small intestine and colon in the human, rabbit and mouse where CYP3A genes are expressed or induced.
Nomenclature	NR1I 2
Genbank	AF084644
Origin	Produced in BALB/c mouse ascites after inoculation with hybridoma of mouse myeloma cells (NS-1) and spleen cells derived from a BALB/c mouse immunized with Baculovirus-expressed recombinant human PXR-2(1-78 aa) .
Specificity	This antibody specifically recognizes human PXR-2 but does not recognize human PXR-1. Not yet tested in other species.
Purification	Ammonium sulfate fractionation.
Formulation	Physiological saline with 0.1% NaN3 as a preservative.

Application / Recommended Concentration

In order to obtain the best results, optimal working dilutions should be determined by each individual user.

Western Blot	1-10ug/mL
Non reducing Western Blot	3-10ug/mL
ELISA	0.5ug/mL (A450=1.0)
Immunoprecipitation	Not yet tested
Supershift Assay	Not yet tested
Chromatin immunoprecipitation	Not yet tested
Immunohistochemistry	Not yet tested

Storage	Store at 2 - 8 °C up to one month. For long-term storage, the solution may be frozen in working aliquots. Repeated freezing and thawing is not recommended. Storage in a frost-free freezer is not recommended.
---------	---

Reference

Notes	Sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large amounts of water during disposal.
-------	---

FOR RESEARCH ONLY. NOT FOR USE IN HUMANS.

Not for Diagnostic or Therapeutic use. Purchase of this product does not include or carry any right to resell or transfer this product either as a stand-alone product or as a component of another product. Any use of this product other than the permitted use without the express written consent of Perseus Proteomics Inc. is prohibited.

MADE IN JAPAN

July 1, 2023