

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, NR112) 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	NR11 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.

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MADE IN JAPAN

Aug 29, 2006

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Clone No. H0502

Lot. A-2

濃度 1 mg/mL

容量 100 μ L

Ig class G2b

Nomenclature NR11 2

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由来 ヒトPXR-2 (1-78 aa) の Baculovirus 発現物を免疫した BALB/c マウスの脾臓細胞と、マウスミエローマ細胞 (NS-1) を融合して得たハイブリドーマを、BALB/c マウスに接種して得られた腹水。

特異性 ヒト PXR-2 と特異的に反応する。ヒトPXR-1には反応しない。その他の動物種との交差反応は未検討。

精製法 硫酸塩析法

溶媒 生理的食塩水(防腐剤として0.1% NaN3添加)

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本製品は研究目的のみで使用することができます。人やそのほか動物の疾病診断、治療・予防に使用することはできません。研究目的以外で使用する場合は、あらかじめ弊社にご相談ください。

Application 使用濃度は実験にあわせて至適化が必要です。

Western Blot 可
参考使用濃度 1-10 μ g/mL

非還元 Western Blot 可
参考使用濃度 3-10 μ g/mL

ELISA 可
参考使用濃度 0.5 μ g/mL (A450=1.0)

免疫沈降 未検討
参考使用濃度 -

Supershift Assay 未検討
参考使用濃度 -

クロマチン免疫沈降 未検討
参考使用濃度 -

免疫染色 未検討
参考使用濃度 -

保存方法 1ヶ月程度の保存の場合は、2~8 $^{\circ}$ Cで保存可能です。長期保存の場合は、抗体を小分けした上で、-20 $^{\circ}$ C以下での保存をお勧めします。また、凍結融解を繰り返すと、抗体が劣化し、本来の性能が得られない場合があるため、お避けください。

参考文献

備考 溶媒に含まれるNaN3は、鉛や銅と反応し爆発性化合物を形成する恐れがあります。廃棄の際には大量の水と一緒に希釈して廃棄してください。

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