

Anti human CAR mouse monoclonal antibody

CAR: Constitutive androstane receptor

Code No PP-N4111-00

Clone No. N4111

Lot. A-1

Concentration 1mg/mL

Volume 100µL

Ig Class G1

Description CAR (NR113) is a member of orphan receptor. CAR is mainly expressed in liver and lower levels of expression are observed in heart, muscles, kidney and lung. CYP3A and CYP2B are regulated by CAR, which suggest xenobiotics can activate multiple CYP genes through this receptor. Mouse homolog is induced by phenobarbital and CAR-null mouse resistance to acetaminophen toxicity. CAR affects metabolism of drugs and other xenobiotics.

Nomenclature NR113

Genbank Z30425

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 E.coli-expressed recombinant human CAR (76-348 aa).

Specificity This antibody specifically recognizes human CAR and cross reacts with mouse and rat CAR. This antibody does not recognize human PXR.

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 ug/mL

Non reducing Western Blot 3ug/mL

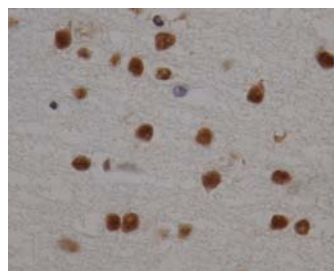
ELISA 0.1 ug/mL (A450=0.2)

Immunoprecipitation Decide by use

Supershift Assay Not yet tested

Chromatin immunoprecipitation Not yet tested

Immunohistochemistry Decide by use



Rat / Cerebellum

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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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

Apr 17, 2008

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Lot. A-1

濃度 1mg/mL

容量 100 μ L

Ig class G1

Nomenclature NR113

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由来 ヒト CAR (76-348 aa) の大腸菌発現物を免疫した 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 CAR に特異的に反応する。ヒトPXRに反応しない。マウスおよびラットCARと交差反応する。

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 ug/mL

非還元 Western Blot 可
参考使用濃度 3 ug/mL

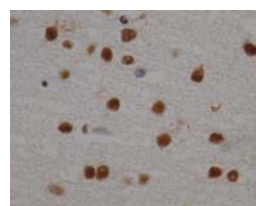
ELISA 可
参考使用濃度 0.1 ug/mL (A450=0.2)

免疫沈降 可
参考使用濃度 適宜調製してください

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 可
参考使用濃度 適宜調製してください



ラット / 小脳

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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