

Anti human PPAR alpha mouse monoclonal antibody

PPAR alpha: Peroxisome Proliferator-Activated Receptor alpha

Code No	PP-H0723-00
Clone No.	H0723
Lot.	A-3
Concentration	1 mg/mL
Volume	100 uL
Ig Class	G2a
Description	Peroxisome proliferator-activated receptor alpha (PPARα; NR1C1) is a member of orphan nuclear receptor. PPARα exhibit the highest affinity with unsaturated fatty acids, linolenic and linolenic acids. PPARα is expressed in brown fat, liver, kidney, heart, mucosa of the stomach and duodenum, retina, adrenal gland, skeletal muscle, pancreatic islets and smooth muscle cells. PPARα plays important roles in lipid and glucose metabolism, and have been implicated in obesity-related metabolic diseases such as hyperlipidemia, insulin resistance, and coronary artery disease. Three members were called PPARα, β, γ. RXR is an obligate partner for PPAR.
Nomenclature	NR1C1
Genbank	L02932
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 PPAR alpha (4-96 aa) .
Specificity	This antibody specifically recognizes human PPAR alpha and cross reacts with mouse PPAR alpha. This antibody does not recognize human PPAR gamma and delta. Not yet tested in other species.
Purification	Ammonium sulfate fractionation
Formulation	Physiological saline with 0.1% NaN ₃ 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	2 ug/mL
Non reducing Western Blot	Not yet tested
ELISA	0.1 ug/mL
Immunoprecipitation	Decide by use
Supershift Assay	100 ug/mL
Chromatin immunoprecipitation	Decide by use
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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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

Aug 23, 2006

Anti human PPAR α mouse monoclonal antibody

PPAR α : Peroxisome Proliferator-Activated Receptor α

製品コード PP-H0723-00

Clone No. H0723

Lot. A-3

濃度 1mg/mL

容量 100 μ L

Ig class G2a

Nomenclature NR1C1

Genebank L02932

由来 ヒトPPAR α (4-96 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 PPAR α と特異的に反応する。ヒト PPAR γ , δ には反応しない。マウス PPAR α に交差反応する。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 2 μ g/mL

非還元 Western Blot 未検討
参考使用濃度 -

ELISA 可
参考使用濃度 0.1 μ g/mL

免疫沈降 可
参考使用濃度 適宜調製してください

Supershift Assay 可
参考使用濃度 100 μ g/mL

クロマチン免疫沈降 可
参考使用濃度 適宜調製してください

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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