

Anti human TR alpha mouse monoclonal antibody

TR alpha: Thyroid Hormone Receptor alpha

Code No PP-H2804-00

Clone No. H2804

Lot. A-1

Concentration 1 mg/mL

Volume 100 uL

Ig Class G2a

Description Thyroid hormone receptor alpha (TRa, THRA; NR1A1) is a member of nuclear hormone receptors. The ligands for TRa are the thyroid hormones, which exist in two forms: T4 (3,5,3',5'-tetraiodo-L-thyronine) and T3 (3,5,3'-tri-iodo-L-thyronine). TRa plays critical roles in the differentiation, growth, metabolism and physiology of a wide variety of tissues. The major partners of TRs are the RXRs, which strongly enhance their ability to bind to specific DNA sequences and contribute to the specificity of action of TR.

Nomenclature NR1A1

Genbank M24748

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 TR alpha (2-51 aa) .

Specificity This antibody specifically recognizes human TR alpha and cross reacts with mouse and rat TR alpha. This antibody does not recognize human TR beta.

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 3 ug/mL

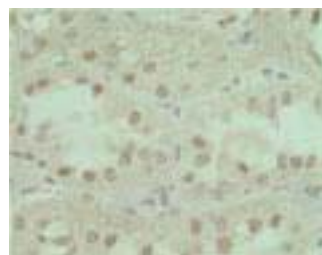
ELISA 0.1 ug/mL (A450=0.5)

Immunoprecipitation Not yet tested

Supershift Assay Not yet tested

Chromatin immunoprecipitation Not yet tested

Immunohistochemistry 20-50 ug/mL



Rat Kidney
Renal tubules
paraffin section



Rat Ovary
Corpus luteum
paraffin section

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 10, 2006

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TR α : Thyroid Hormone Receptor α

製品コード PP-H2804-00

Clone No. H2804

Lot. A-1

濃度 1mg/mL

容量 100 μ L

Ig class G2a

Nomenclature NR1A1

Genebank M24748

由来 ヒトTR α (2-51 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 TR α と特異的に反応する。ヒトTR β には反応しない。マウスおよびラット TR α に反応する。

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)

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 μ g/mL

非還元 Western Blot 可
参考使用濃度 3 μ g/mL

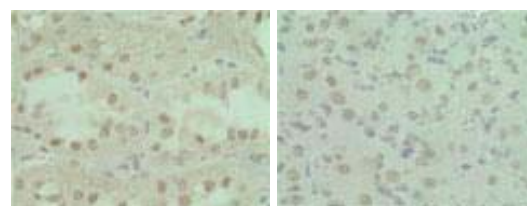
ELISA 可
参考使用濃度 0.1 μ g/mL (A450=0.5)

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 可
参考使用濃度 20-50 μ g/mL



ラット
腎臓
パラフィン切片

ラット
卵巣
パラフィン切片

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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