

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

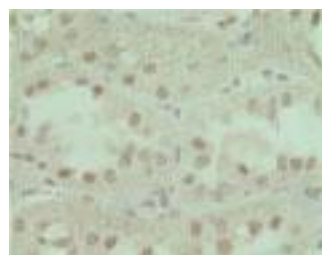
ELISA 0.1 ug/mL (A450=0.5)

Immunoprecipitation Not yet tested

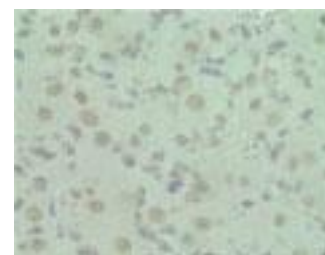
Supershift Assay Not yet tested

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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