

Anti human PPAR alpha mouse monoclonal antibody

PPAR alpha: Peroxisome Proliferator-Activated Receptor alpha

Code No PP-H0723-00

Clone No. H0723

Lot. ***

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% 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 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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MADE IN JAPAN

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