

# 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 (PPAR $\alpha$ ; NR1C1) is a member of orphan nuclear receptor. PPAR $\alpha$  exhibit the highest affinity with unsaturated fatty acids, linolenic and linolenic acids. PPAR $\alpha$  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. PPAR $\alpha$  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 PPAR $\alpha$ , b, g. 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<sub>3</sub> 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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