

Anti human PPAR alpha mouse monoclonal antibody

PPAR alpha: Peroxisome Proliferator-Activated Receptor alpha

Code No	PP-H0723-00 old No. 2ZH0723H
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
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Non reducing Western Blot	Not yet tested
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ELISA	0.1 ug/mL
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Immunoprecipitation	Decide by use
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Supershift Assay	100 ug/mL
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Chromatin immunoprecipitation	Decide by use
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Immunohistochemistry	Not yet tested
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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.
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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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FOR RESEARCH ONLY. NOT FOR USE IN HUMANS.

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

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Distributed by

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