

PPARA monoclonal antibody, clone 5D10C3

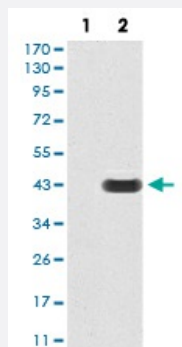
Catalog # MAB17128 Size 100 ug

Applications



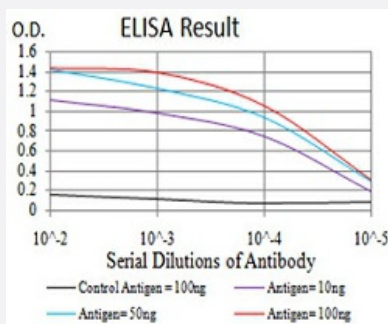
Western Blot (Cell lysate)

Western blot analysis of Lane 1: HepG2 cell; Lane 2: HEK293 cell; Lane 3: COS-7 cell; Lane 4: HepG2 cell; Lane 5: Jurkat cell with PPARA monoclonal antibody.



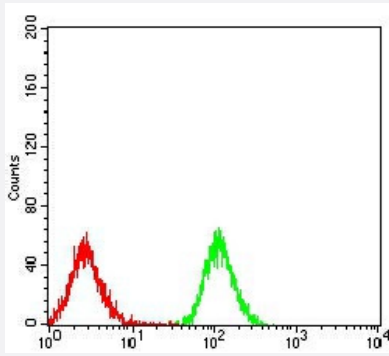
Western Blot (Transfected lysate)

Western Blot analysis of (1) HEK293 cells, (2) PPARA-hlgGfc transfected HEK293 cell lysate.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of PPARA monoclonal antibody, clone 5D10C3.



Flow Cytometry

Flow cytometric analysis of Jurkat cells with PPARA monoclonal antibody (green) and negative control (red).

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human PPARA.
Immunogen	Recombinant protein corresponding to amino acid 1-120 of human PPARA from <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	52.2kDa
Reactivity	Human, Monkey
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry Immunocytochemistry Flow Cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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- Western Blot (Transfected lysate)

Western Blot analysis of (1) HEK293 cells, (2) PPARA-hlgGfc transfected HEK293 cell lysate.

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of PPARA monoclonal antibody, clone 5D10C3.

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Gene Info — PPARA

Entrez GeneID [5465](#)

Gene Name PPARA

Gene Alias MGC2237, MGC2452, NR1C1, PPAR, hPPAR

Gene Description peroxisome proliferator-activated receptor alpha

Omim ID [170998](#)

Gene Ontology [Hyperlink](#)

Gene Summary

Peroxisome proliferators include hypolipidemic drugs, herbicides, leukotriene antagonists, and plasticizers; this term arises because they induce an increase in the size and number of peroxisomes. Peroxisomes are subcellular organelles found in plants and animals that contain enzymes for respiration and for cholesterol and lipid metabolism. The action of peroxisome proliferators is thought to be mediated via specific receptors, called PPARs, which belong to the steroid hormone receptor superfamily. PPARs affect the expression of target genes involved in cell proliferation, cell differentiation and in immune and inflammation responses. Three closely related subtypes (alpha, beta/delta, and gamma) have been identified. This gene encodes the subtype PPAR-alpha, which is a nuclear transcription factor. Multiple alternatively spliced transcript variants have been described for this gene, although the full-length nature of only two has been determined. [provided by RefSeq]

Other Designations OTTHUMP00000028713|OTTHUMP00000042872|peroxisome proliferative activated receptor, alpha|peroxisome proliferator activated receptor alpha

Pathway

- [Adipocytokine signaling pathway](#)
- [PPAR signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Arterial Occlusive Diseases](#)
- [Arteriosclerosis](#)
- [Atherosclerosis](#)
- [Body Weight](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Coronary Stenosis](#)
- [Dementia](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)

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- [Psychomotor Performance](#)
- [Radiation Injuries](#)
- [Radiation Pneumonitis](#)
- [Syndrome](#)
- [Task Performance and Analysis](#)
- [Thrombosis](#)
- [Tobacco Use Disorder](#)
- [Ventricular Dysfunction](#)