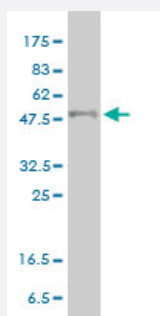


PPARD monoclonal antibody (M01), clone 4E3-1B11

Catalog # H00005467-M01

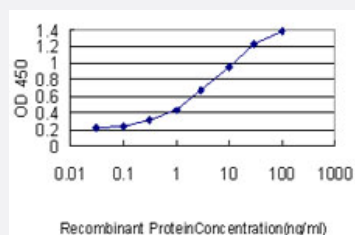
Size 100 ug

Applications



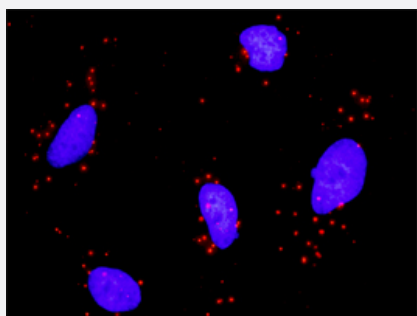
Western Blot (Cell lysate)

PPARD monoclonal antibody (M01), clone 4E3-1B11 Western Blot analysis of PPARD expression in Jurkat (Cat # L017V1).



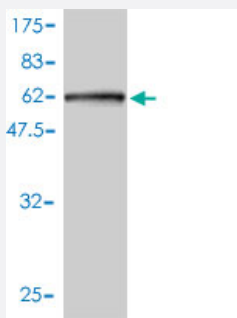
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PPARD is approximately 0.03ng/ml as a capture antibody.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between HDAC2 and PPARD. HeLa cells were stained with anti-HDAC2 rabbit purified polyclonal 1:1200 and anti-PPARD mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Western Blot detection against Immunogen (65.45 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant PPARD.
Immunogen	PPARD (AAH02715, 1 a.a. ~ 361 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MEQPQEEAPEVREEEEEKEEVAEAEAGAPELNGGPQHLPSSSYTDLSSSSPPSLDQLQMGC DGASCGSLNMECRVCGDKASGFHYGVHACEGCKGFFRRTIRMKLEYEKCERSCKIQKKNRNKC QYCRFQKCLALGMSHNAIRFGRMPEAEKRKLVAGLTANEGSQYNPQVADLKAFSKHIYNAYLKNF NMTKKKARSILTGKASHTAPFVIHDIELTWQAEKGLVWKQLVNGLPYKEISVHVFYRCQCTTVET VRELTEFAKSIPSFSSLFLNDQVTLKYGVHEAIFAMLASVKNKDGLLVANGSGFVTREFLRSLRKP FSDIIEPKFEFAVKFNALELDDSDLALFIAAILCGGE
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (92); Rat (91)
Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (65.45 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

PPARD monoclonal antibody (M01), clone 4E3-1B11 Western Blot analysis of PPARD expression in Jurkat (Cat # L017V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PPARD is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- In situ* Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between HDAC2 and PPARD. HeLa cells were stained with anti-HDAC2 rabbit purified polyclonal 1:1200 and anti-PPARD mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Info — PPARD

Entrez GeneID [5467](#)

GeneBank Accession# [BC002715](#)

Protein Accession# [AAH02715](#)

Gene Name PPARD

Gene Alias FAAR, MGC3931, NR1C2, NUC1, NUCI, NUCII, PPAR-beta, PPARB

Gene Description peroxisome proliferator-activated receptor delta

Omim ID [600409](#)

Gene Ontology [Hyperlink](#)

Gene Summary

This gene encodes a member of the peroxisome proliferator-activated receptor (PPAR) family. PPARs are nuclear hormone receptors that bind peroxisome proliferators and control the size and number of peroxisomes produced by cells. PPARs mediate a variety of biological processes, and may be involved in the development of several chronic diseases, including diabetes, obesity, atherosclerosis, and cancer. This protein is a potent inhibitor of ligand-induced transcription activity of PPAR alpha and PPAR gamma. It may function as an integrator of transcription repression and nuclear receptor signaling. The expression of this gene is found to be elevated in colorectal cancer cells. The elevated expression can be repressed by adenomatous polyposis coli (APC), a tumor suppressor protein related to APC/beta-catenin signaling pathway. Knockout studies in mice suggested the role of this protein in myelination of the corpus callosum, lipid metabolism, and epidermal cell proliferation. [provided by RefSeq]

Other Designations

OTTHUMP00000016256|nuclear hormone receptor 1|peroxisome proliferative activated receptor
, delta

Publication Reference

- [PGC1{alpha} relationship with skeletal muscle palmitate oxidation is not present with obesity, despite maintained ained PGC1{alpha} and PGC1{beta} protein.](#)

Holloway GP, Perry CG, Thrush AB, Heigenhauser GJ, Dyck DJ, Bonen A, Spriet LL.

American Journal of Physiology. Endocrinology and Metabolism 2008 Mar; 294(6):E1060.

Application: WB, Human, Human skeletal muscle

Pathway

- [Acute myeloid leukemia](#)
- [Pathways in cancer](#)
- [PPAR signaling pathway](#)
- [Wnt signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Adenoma](#)
- [Alzheimer disease](#)
- [Atherosclerosis](#)
- [Biliary Tract Neoplasms](#)
- [Bipolar Disorder](#)
- [Body Weight](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)

- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Dyslipidemias](#)
- [Edema](#)
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- [Fatty Liver](#)
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- [Ovarian Neoplasms](#)
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- [Psychomotor Performance](#)
- [Radiation Injuries](#)
- [Radiation Pneumonitis](#)
- [Schizophrenia](#)
- [Task Performance and Analysis](#)
- [Tobacco Use Disorder](#)