

## Ppara Knockout cell line (AML12)

**Catalog Number:** KO01068

Product Information	
Product Name	Ppara Knockout cell line (AML12)
specification	1*10 <sup>6</sup>
Storage and transportation	Dry ice preservation/T25 live cell transportation.
Cell morphology	Epithelioid, adherent cell
Passage ratio	1 : 3~1 : 6
species	Mouse
Gene	Ppara
Gene ID	19013
Build method	Electric rotation method / virus method
Mycoplasma testing	Negative
Cultivation system	90%DMEM/F-12+10%FBS+1%ITS Liquid Media Supplement+40ng/ml Dexamethasone
Parental Cell Line	AML12
Quality Control	Genotype: Ppara Knockout cell line (AML12) >95% viability before freezing. All cells were tested and found to be free of bacterial, viruses, mycoplasma and other toxins.

Gene Information	
Gene Official Full Name	peroxisome proliferator activated receptor alphaprovided by MGI
Also known as	Ppar; Nr1c1; PPARalpha; PPAR-alpha; 4933429D07Rik
Gene Description	Enables RNA polymerase II cis-regulatory region sequence-specific DNA binding activity; lipid binding activity; and nuclear receptor activity. Involved in several processes, including negative regulation of appetite; peroxisome proliferator activated receptor signaling pathway; and regulation of gene expression. Acts upstream of or within several processes, including enamel mineralization; positive regulation of biosynthetic process; and wound healing. Predicted to be located in nucleoplasm. Predicted to be active in nucleus. Is expressed in several structures, including adipose tissue; early conceptus; gut; hemolymphoid system gland; and skeletal muscle. Used to study diabetes mellitus and schizophrenia. Human ortholog(s) of this gene implicated in Alzheimer's disease; coronary artery disease; hepatocellular carcinoma; lipid metabolism disorder; and myocardial infarction. Orthologous to human PPARA (peroxisome proliferator activated receptor alpha). [provided by Alliance of Genome Resources, Apr 2025]

Expression	Broad expression in liver adult (RPKM 11.2), kidney adult (RPKM 8.7) and 15 other tissues See more
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