

Product datasheet for **AP53408PU-N**

PPAR delta (PPARD) (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/100-1/500. Flow Cytometry: 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 374-402 amino acids from the C-terminal region of human PPAR-delta
Specificity:	This antibody recognizes Human PPAR-delta (C-term).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	peroxisome proliferator activated receptor delta
Database Link:	Entrez Gene 5467 Human Q03181



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Background:

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 adenomatosis 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. Alternate splicing results in multiple transcript variants.

Synonyms:

PPAR-beta, Nuclear hormone receptor 1, NUC1, PPARD, NR1C2, PPARB

Note:

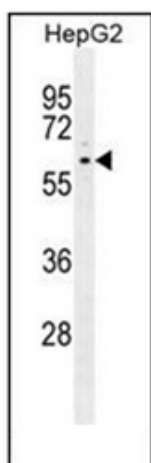
Molecular Weight: 49903 Da

Protein Families:

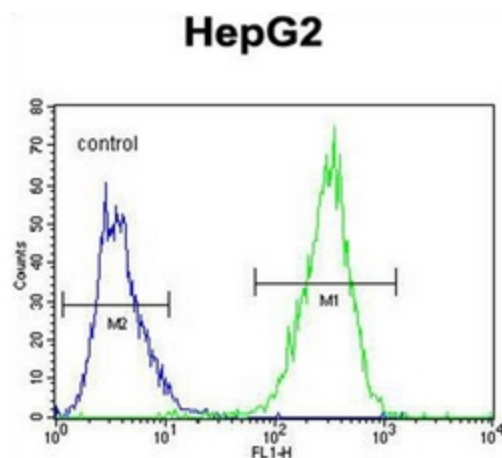
Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

Protein Pathways:

Acute myeloid leukemia, Pathways in cancer, PPAR signaling pathway, Wnt signaling pathway

Product images:


Western blot analysis of PPAR-delta Antibody (C-term) in HepG2 cell line lysates (35ug/lane). This demonstrates the PPARD antibody detected the PPARD protein (arrow).



Flow cytometric analysis of HepG2 cells using PPAR-delta Antibody (C-term) (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.