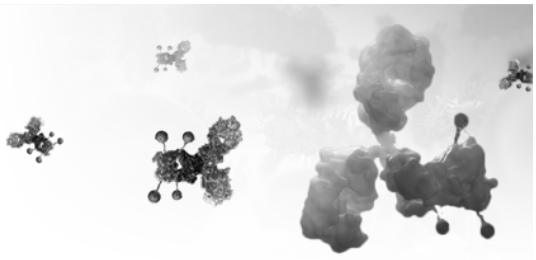

Anti-PPARD (aa 56-165) polyclonal antibody (DPAB-DC2351)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	PPARD (NP_006229, 56 a.a. ~ 165 a.a) partial recombinant protein with GST tag. The sequence is DQLQMGCDGASCGSLNMECRVCGDKASGFHYGVHACEGCKGFFRRTIRMKLEYEKCERSC KIQKKNRNKCQYCRFQKCLALGMSHNAIRFGRMPEAEKRKLVAGLTANEG
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol

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Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PPARD peroxisome proliferator-activated receptor delta [Homo sapiens (human)]
Official Symbol	PPARD
Synonyms	PPARD; peroxisome proliferator-activated receptor delta; FAAR; NUC1; NUCI; NR1C2; NUCII; PPARB; PPAR-beta; PPAR-delta; nuclear hormone receptor 1; nuclear receptor subfamily 1 group C member 2; peroxisome proliferator-activated receptor beta; peroxisome proliferator-activated nuclear receptor beta/delta variant 2;
Entrez Gene ID	5467
Protein Refseq	NP_001165289
UniProt ID	A0A024RCW6
Chromosome Location	6p21.2
Pathway	Acute myeloid leukemia; Energy Metabolism; Generic Transcription Pathway; Nuclear Receptors
Function	DNA binding; NF-kappaB binding; drug binding; ligand-activated sequence-specific DNA binding RNA polymerase II transcription factor activity

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