Datasheet for ABIN2780757

anti-PPARD antibody (N-Term)

2 Images

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Overview

Quantity:	100 µL
Target:	PPARD
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Rabbit, Guinea Pig, Horse, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PPARD antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the n terminal region of human PPARD
Sequence:	MEQPQEEAPE VREEEEKEEV AEAEGAPELN GGPQHALPSS SYTDLSRSSS
Predicted Reactivity:	Cow: 80%, Dog: 79%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 86%, Rabbit: 79%, Rat: 93%, Yeast: 90%
Characteristics:	This is a rabbit polyclonal antibody against PPARD. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	PPARD

Target Details

Alternative Name:	PPARD (PPARD Products)
Background:	PPARD is 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 delta 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. Alias Symbols: FAAR, MGC3931, NR1C2, NUC1, NUCI, NUCII, PPAR-beta, PPARB Protein Interaction Partner: KRTAP10-3, KRTAP10-7, PLA2G4A, CTNNB1, KDM1A, PRMT3, SMAD9, HSP90AA1, TNP1, PSMG1, Nedd4, RANBP9, PRDX6, EIF3I, NCOA1, NR0B2, SHMT2, RXRG, RXRB, RXRA, PROX1, ITGB5, GLUL, RELA, HDAC1, EP300, NCOA2, SRC, SPEN, HDAC7, HDAC3, PEBP1, HDAC2, GADD45G, GADD45B, Protein Size: 441
Molecular Weight:	49 kDa
Gene ID:	5467
NCBI Accession:	NM_001039694, NP_001034783
Pathways:	Nuclear Receptor Transcription Pathway, Positive Regulation of Peptide Hormone Secretion, Steroid Hormone Mediated Signaling Pathway, Monocarboxylic Acid Catabolic Process, Smooth Muscle Cell Migration, Positive Regulation of fat Cell Differentiation

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 441 AA
Restrictions:	For Research Use only

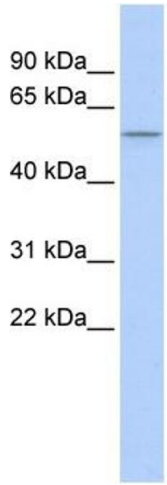
Handling

Format:	Liquid

Handling

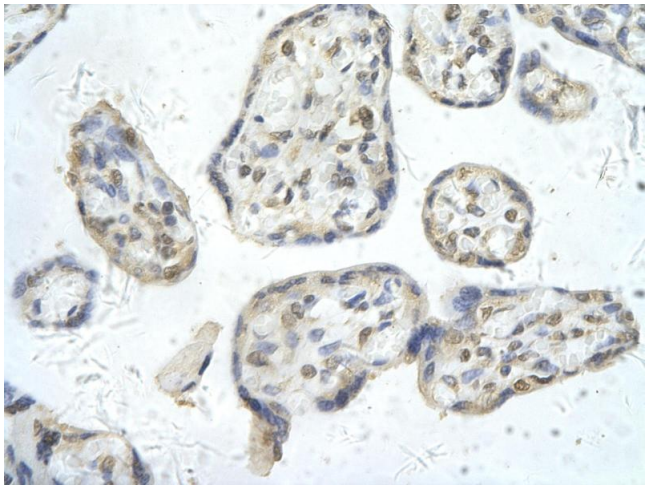
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-PPARD Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:12500 Positive Control: 721_B cell lysate PPARD is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells



Immunohistochemistry

Image 2. Rabbit Anti-PPARD antibody Paraffin Embedded Tissue: Human Placenta cell Cellular Data: Epithelial cells of renal tubule Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X