

Product datasheet for **TA392561**

PPAR delta (PPARD) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:1000~1:2000 IHC: 1:50~1:200
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to Human PPAR β .
Specificity:	PPAR β polyclonal antibody detects endogenous levels of PPAR β protein.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.4.
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 51 kDa
Gene Name:	peroxisome proliferator activated receptor delta
Database Link:	Entrez Gene 5467 Human Q03181



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Background:

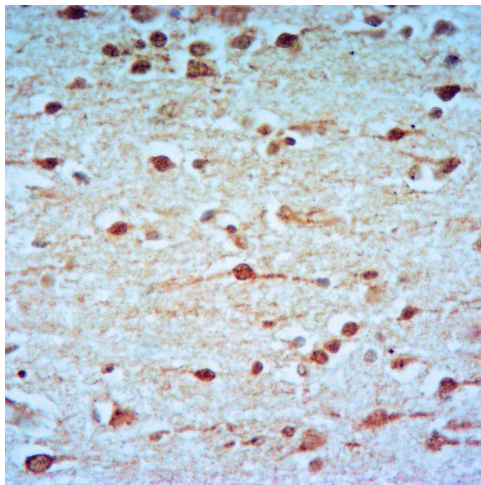
Peroxisome proliferator-activated receptor- δ (PPAR δ , also known as PPAR β or PPAR β/δ) is a widely expressed member of the PPAR nuclear receptor family, which controls lipid homeostasis. In response to various ligands, PPAR proteins heterodimerize with retinoid X receptors (RXRs) in order to bind DNA and regulate target genes. PPAR δ plays a role in many different biological functions, including cholesterol efflux, embryo implantation, preadipocyte proliferation, and wound healing (5-8). PPAR δ has been implicated in colorectal cancer (CRC), as it is normally downregulated by APC, a tumor suppressor frequently knocked out in CRCs. More recently, high fat diets have been found to induce PPAR δ in intestinal stem cells and progenitors, increasing their tumorigenicity. Furthermore, in Huntington's disease (HD) mouse models, it was shown that PPAR δ was unable to bind to huntingtin protein when mutated, which repressed its function. Agonist-induced activation of PPAR δ in HD model mice improved cognitive function and increased survival time.

Synonyms:

NR1C2; NUC1; NUC1; Nuclear hormone receptor 1; Nuclear receptor subfamily 1 group C member 2; Peroxisome proliferator-activated receptor beta; Peroxisome proliferator-activated receptor delta; PPAR-beta; PPAR-delta; PPARB; PPARD

Note:

For research use only, not for use in diagnostic procedure.

Product images:

Immunohistochemistry of paraffin-embedded Rat Brain using PPAR β antibody at dilution of 1:50.