PPARβ polyclonal antibody

Catalog: BCP01359 Host: Rabbit Reactivity: Human

BackGround:

Peroxisome proliferator-activated receptor-δ (PPARδ, also known as PPARβ or PPARβ/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. PPARδ plays a role in many different biological functions, including cholesterol efflux, embryo implantation, preadipocyte proliferation, and wound healing (5-8). PPARδ 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 PPARδ in intestinal stem cells and progenitors, increasing their tumorigenicity. Furthermore, in Huntington's disease (HD) mouse models, it was shown that PPARδ was unable bind to huntingtin protein when mutated, which repressed its function. Agonist-induced activation of PPARδ in HD model mice improved cognitive function and increased survival time.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.4.

Molecular Weight:

~ 51 kDa

Swiss-Prot:

Q03181

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:1000~1:2000

IHC: 1:50~1:200

Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

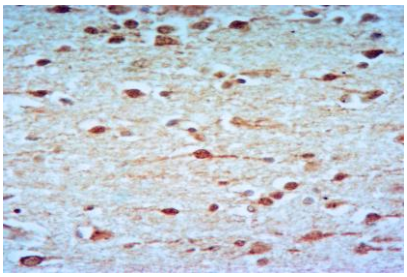
PPARβ polyclonal antibody detects endogenous levels of PPARβ protein.

DATA:

Western blot (WB) analysis of PPARβ polyclonal antibody at 1:1000 dilution

Lane1:EC9706 whole cell lysate(40ug)

Lane2:U-87MG whole cell lysate(40ug)



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

Note:

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

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