

PPAR β polyclonal antibody

Catalog: GCP114

Host: Rabbit

Reactivity: Human

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.

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

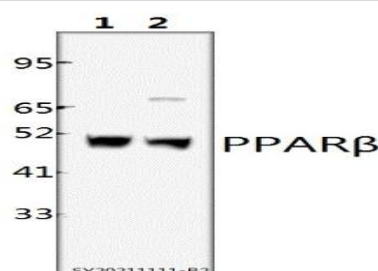
Storage&Stability:

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

Specificity:

PPAR β polyclonal antibody detects endogenous levels of PPAR β protein.

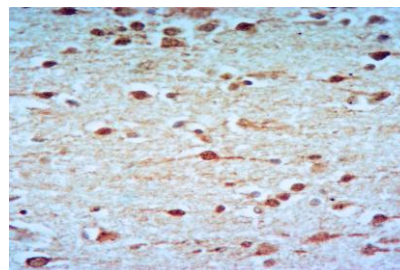
DATA:



Western blot (WB) analysis of PPAR β 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 PPAR β antibody at dilution of 1:50.

Note:

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

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