PPARγ (phospho-S112) polyclonal antibody

Catalog: BS4444 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

PPAR gamma is implicated in numerous diseases including obesity, diabetes, atherosclerosis and cancer. PPAR gamma activators include prostanoids, fatty acids, thiazolidinediones and N-(2-benzoylphenyl) tyrosine analogues. A key component in adipocyte differentiation and fat-specific gene expression, PPAR gamma may modulate macrophage functions such as proinflammatory activities, and stimulate oxidized low-density lipoprotein (x-LDL) uptake. A Pro12Ala polymorphism of the PPAR gamma2 gene has been reported to reduce transactivation activity in vitro. This substitution may affect the immune response to ox-LDL and be associated with type 2 diabetes. In addition, the Pro12Ala variant of the PPAR gamma2 gene maybe correlated with abdominal obesity in type 2 diabetes.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 54 kDa

Swiss-Prot:

P37231

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: 1:500~1:1000

IHC: 1:50~1:200

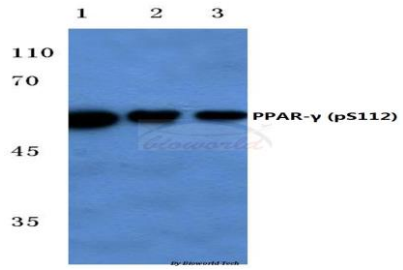
Storage&Stability:

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

Specificity:

p-PPARγ (S112) polyclonal antibody detects endogenous levels of PPARγ protein only when phosphorylated at Ser112.

DATA:

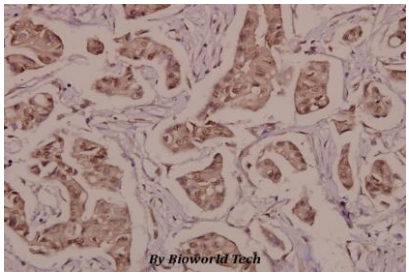


Western blot (WB) analysis of p-PPAR-γ (S112) polyclonal antibody at 1:500 dilution

Lane1:Hela cell lysate treated with colchicine

Lane2:Raw264.7 cell lysate treated with colchicine

Lane3:PC12 cell lysate treated with colchicine



Immunohistochemistry (IHC) analyzes of p-PPARγ (S112) pAb in paraffin-embedded human breast carcinoma tissue at 1:50.

Note:

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

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