

AbFlex® PPARγ antibody (rAb)

Catalog Nos: 91443, 91444

Application(s): ChIP-Seq, IF, IP, WB

Reactivity: Human, Mouse, Rat

Quantities: 100 µg, 10 µg

Purification: Protein A Chromatography

Host: Rabbit

Isotype: IgG

Molecular Weight: 57.62 kDa

Background: AbFlex® antibodies are recombinant antibodies (rAbs) that have been generated using defined DNA sequences to produce highly specific, reproducible antibodies. Each AbFlex antibody contains a 6xHis Tag, a Biotinylation Tag for enzymatic biotin conjugation using the biotin ligase, BirA, and a sortase recognition motif (LPXTG) to attach a variety of labels directly to the antibody including fluorophores, enzymatic substrates (HRP, AP), peptides, drugs as well as solid supports.

AbFlex® **PPARγ** antibody was expressed as full-length IgG with rabbit immunoglobulin heavy and light chains in mammalian HEK293 cells.

PPARγ (Peroxisome Proliferator Activated Receptor Gamma), also called as PPARG or NR1C3, is a member of the peroxisome proliferator-activated receptor (PPAR) subfamily of nuclear receptors. PPARs form heterodimers with retinoid X receptors (RXRs) and these heterodimers regulate transcription of various genes. Three subtypes of PPARs are known: PPAR-alpha, PPAR-delta, and PPAR-gamma.

Immunogen: This PPARγ antibody was raised against a peptide of human PPARγ.

Buffer: Purified IgG in 140 mM Hepes, pH 7.5, 70 mM NaCl, 32 mM NaOAc, 40% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.

Application Notes:

Validated Applications:

WB: 0.2 - 1 µg / mL

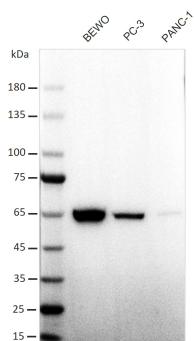
IP: 2 µg per IP

IF: 0.4 - 2 µg/ml

ChIP-Seq: 2 µg/ml per IP

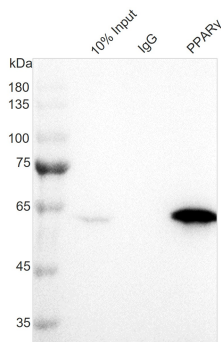
Storage and Guarantee: Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20°C for up to 2 years. Keep all reagents on ice when not in storage. This product is guaranteed for 6 months from date of receipt.

This product is for research use only and is not for use in diagnostic procedures.



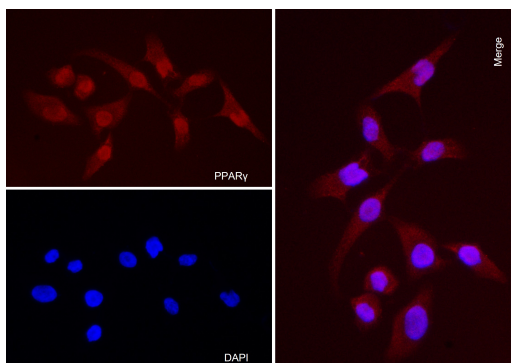
AbFlex® PPARγ rAb antibody tested by Western blot.

BEWO, PC-3, and PANC-1 whole cell extract (80 µg) was probed with AbFlex® PPARγ antibody at 0.2 µg/mL.



AbFlex® PPARγ rAb antibody tested by immunoprecipitation.

2 µg of antibody was used to immunoprecipitate PPARγ from 1 mg of PC3 whole cell extract, 40% IP product (Lane 3) and 40 µg of Input proteins (Lane 1) were then run on SDS-PAGE and probed with the same antibody at 2 µg /ml. Tween-20 at 0.1% was added to blocking buffers to perform Western blot and reduce background. 2 µg of rabbit IgG was used as negative control for IP (Lane 2).



AbFlex® PPARγ rAb antibody tested by immunofluorescence.

PPARγ was detected in human HeLa cells using AbFlex® PPARγ (rAb) at 2 µg/mL, followed by Multi-rAb CoraLite® Plus 594-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L).

AbFlex® PPARγ antibody tested by ChIP-Seq.

Chromatin immunoprecipitation (ChIP) was performed using the [ChIP-IT® High Sensitivity Kit](#) (Cat. No. 53040) with 25 µg of chromatin from PC-3 cells and 2 µg of PPARγ antibody. ChIP DNA was sequenced on the Illumina HiSeq and 18 million sequence tags were mapped to identify PPARγ binding sites. The image shows binding across a region of chromosome 8.

