

Anti-Zebrafish PPAR Gamma/PPARG Antibody Picoband®

Catalog Number: AZA6XMH6

About PPARG

Peroxisome proliferator- activated receptor gamma (PPAR-gamma or PPARG), also known as the glitazone reverse insulin resistance receptor, or NR1C3 (nuclear receptor subfamily 1, group C, member 3) is a type II nuclear receptor (protein regulating genes) that in humans is encoded by the PPARG gene. This gene encodes 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. The protein encoded by this gene is PPAR-gamma and is a regulator of adipocyte differentiation. Additionally, PPAR-gamma has been implicated in the pathology of numerous diseases including obesity, diabetes, atherosclerosis and cancer. Alternatively spliced transcript variants that encode different isoforms have been described.

Overview

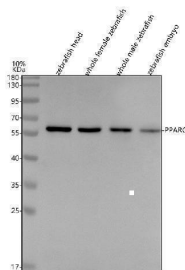
Product Name	Anti-Zebrafish PPAR Gamma/PPARG Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish PPAR Gamma/PPARG Antibody Picoband® catalog #AZA6XMH6. Tested in WB applications. This antibody reacts with Zebrafish. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage Instructions	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	A6XMH6

Technical Details

Immunogen	E.coli-derived zebrafish PPAR Gamma/PPARG recombinant protein (Position: M1-D512)
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Zebrafish



Anti-Zebrafish PPAR Gamma/PPARG Antibody Picoband® (AZA6XMH6) Images



Western blot analysis of PPAR Gamma/PPARG using anti-PPAR Gamma/PPARG antibody (AZA6XMH6). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: zebrafish head tissue lysates. Lane 2: whole female zebrafish tissue lysates. Lane 3: whole male zebrafish tissue lysates. Lane 4: zebrafish embryo tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-PPAR Gamma/PPARG antigen affinity purified polyclonal antibody (AZA6XMH6) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for PPAR Gamma/PPARG at approximately 60 kDa. The expected band size for PPAR Gamma/PPARG is at 60 kDa.

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