

Anti-PPAR gamma Rabbit Monoclonal Antibody

Catalog Number: M00449-2

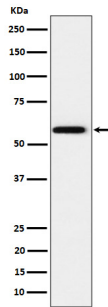
Overview

Product Name	Anti-PPAR gamma Rabbit Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-PPAR gamma Rabbit Monoclonal Antibody catalog # M00449-2. Tested in WB, ICC/IF, Flow Cytometry applications. This antibody reacts with Human.
Application	Flow Cytometry, IF, ICC, WB
Clonality	Monoclonal 31P97
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P37231

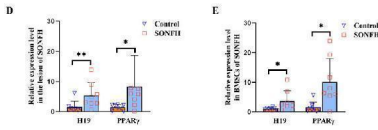
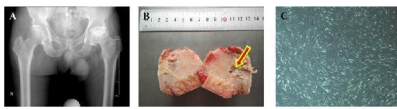
Technical Details

Immunogen	A synthesized peptide derived from human PPAR gamma
Isotype	IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000 ICC/IF 1:50-200 FC 1:50

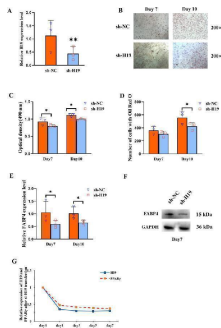
Anti-PPAR gamma Rabbit Monoclonal Antibody (M00449-2) Images



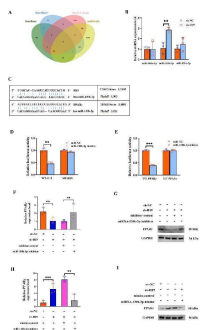
Western blot analysis of PPAR gamma expression in HeLa cell lysate.



H19 and PPARgamma are upregulated in the femoral head and BMSCs of patients with SONFH. (A, B) X-ray photo and pathological structure of the femoral head from an ARCO stage V SONFH patient. The images show alterations in the morphology of the femoral head, characterized by collapse and flattening, as well as radiographic signs indicative of hip osteoarthritis. (C) Morphology of BMSCs from a patient with SONFH. (D, E) Expression levels of H19 and PPARgamma in the femoral head and BMSCs from a patient with SONFH. All experimental procedures were performed in triplicate with internal normalization to GAPDH expression levels. The relative expression levels of each gene were analyzed using the $2^{-\Delta\Delta Ct}$ method (n = 8, all data are shown as the mean \pm SD of three independent experiments, *p < 0.05, **p < 0.01). Index in PubMed under a CC BY license. PMID: 40259926

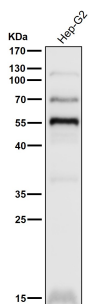


H19 participates in increased adipogenesis of BMSCs and positively regulates PPARgamma expression in SONFH. (A) Expression level of H19 in BMSCs after transfection with sh-H19. (B) Oil Red O staining (200 \times) of BMSCs after transfection with sh-H19. (C, D) Quantification of Oil Red O staining (200 \times) of BMSCs after transfection with sh-H19. (E, F) The expression of fatty acid-binding protein 4 (FABP4) was detected by qRT-PCR and Western blot after knocking-down of H19. (G) The expression levels of H19 and PPARgamma 1 week following the knockdown of H19. (n = 3, all data are shown as the mean \pm SD of three independent experiments, *p < 0.05, **p < 0.01). Index in PubMed under a CC BY license. PMID: 40259926



H19 modulates PPARgamma expression through miR-130b-3p. (A) Three databases, StarBase, DIANA tools, and miRWalk, were used to predict candidate micro (mi)RNAs as shown in the Venn diagram. (B) Expression levels of three candidate miRNAs (miR-301b-3p, miR-130b-3p, and miR-130a-3p) after knockdown of H19. (C) The binding sites of miR-130b-3p with H19 and PPARgamma. (D) Effect of miR-130b-3p on the luciferase activity of wild-type (WT)-H19 and mutant (MT)-H19 reporter systems. (E) Effect of miR-130b-3p on the luciferase activity of WT-FABP4

and MT-FABP4 reporter systems was detected via luciferase reporter assay. (F, G) The expression of PPARgamma is significantly decreased upon knocking down H19. This reduction could be reversed through co-transfection with a miR-130b-3p inhibitor. (H, I) The expression of PPARgamma was significantly augmented when H19 was upregulated. This elevation in PPARgamma expression could be counteracted by co-transfecting with a miR-130b-3p mimic. (n = 3, all data are shown as the mean \pm SD of three independent experiments, **p < 0.01, ***p < 0.001). Index in PubMed under a CC BY license. PMID: 40259926



All lanes use the Antibody at 1:3K dilution for 1 hour at room temperature.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-PPAR gamma Rabbit Monoclonal Antibody

For Research Use Only. Not for use in diagnostic procedures.