

PPAR gamma Monoclonal Antibody (K.242.9)

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse
Published Species	Rat, Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Monoclonal
Type	Antibody
Clone	K.242.9
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to residues surrounding Asp69 of human PPAR-gamma
Form	Liquid
Concentration	125 µg/mL
Purification	Affinity chromatography
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/mL BSA, 50% glycerol
Contains	<0.02% sodium azide
Storage conditions	-20°C
RRID	AB_10985650

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	12 Publications
Immunohistochemistry (IHC)	-	3 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:400-1:1,600	-
Immunocytochemistry (ICC/IF)	1:50-1:200	2 Publications
Immunoprecipitation (IP)	-	1 Publication

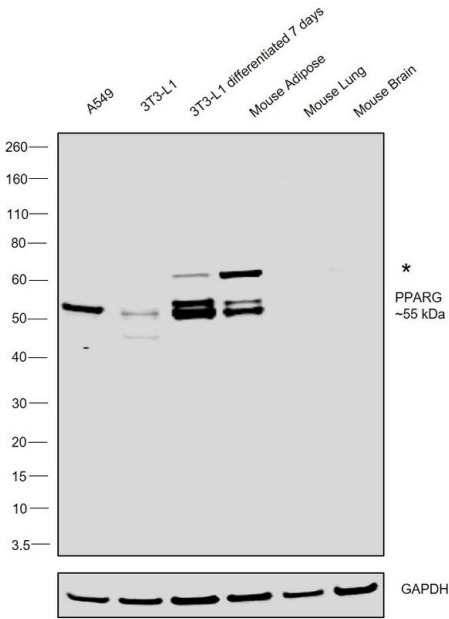
Product Specific Information

It is not recommended to aliquot this antibody.

Product Images For PPAR gamma Monoclonal Antibody (K.242.9)

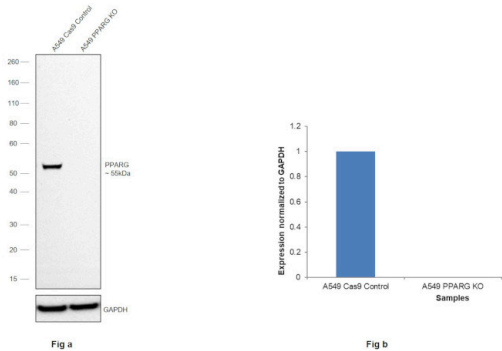
PPAR gamma Antibody (MA5-14889) in WB

Western blot was performed using Anti-PPAR gamma Monoclonal Antibody (K. 242.9) (Product # MA5-14889) and two bands at ~ 55kDa and ~57 kDa corresponding to Peroxisome proliferator-activated receptor gamma was observed across cell lines and Mouse Adipose, and were absent in Mouse Lung and Mouse Brain; along with an uncharacterized (*) band at ~60 kDa. Whole cell extracts (30 µg lysate) of A549 (Lane 1), 3T3-L1 (Lane 2), 3T3-L1 differentiated for 7 days (Lane 3), Mouse Adipose (Lane 4), Mouse Lung (Lane 5) and Mouse Brain (Lane 6) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # LC2001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Reagent Kit (Product # WP20005).



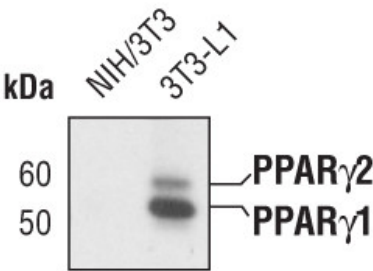
PPAR gamma Antibody (MA5-14889)

Antibody specificity was demonstrated by CRISPR-Cas9 mediated knockout of target protein. A loss of signal was observed for target protein in PPARG KO cell line compared to control cell line using Anti-PPAR gamma Monoclonal Antibody (K.242.9) (Product # MA5-14889). {KO}



PPAR gamma Antibody (MA5-14889) in WB

Western blot analysis of PPAR-gamma in extracts from NIH/3T3 and 3T3-L1 cells (differentiated 6 days) using PPAR-gamma monoclonal antibody (Product # MA5-14889).



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Western Blot (12)

<p>Pharmaceuticals (Basel, Switzerland)</p> <p>Deletion of Spinophilin Promotes White Adipocyte Browning.</p> <p>"MA5-14889 was used in Immunohistochemistry-immunofluorescence to demonstrate the critical role of SPL in the regulation of WAT browning."</p> <p>Authors: Gou W,Wei H,Swaby L,Green E,Wang H</p>	<p>Year 2023</p> <p>Species Mouse</p>
<p>Biomedicines</p> <p>-RA Targets Mitochondrial Metabolism and Adipogenesis, Leading to Therapeutic Benefits against CoQ Deficiency and Age-Related Overweight.</p> <p>"Published figure using PPAR gamma monoclonal antibody (Product # MA5-14889) in Western Blot"</p> <p>Authors: Hidalgo-Gutiérrez A,Barriocanal-Casado E,Díaz-Casado ME,González-García P,Zenezini Chiozzi R,Acuña-Castroviejo D,López LC</p>	<p>Year 2021</p>

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Immunohistochemistry (3)

<p>Pharmaceuticals (Basel, Switzerland)</p> <p>Deletion of Spinophilin Promotes White Adipocyte Browning.</p> <p>"MA5-14889 was used in Immunohistochemistry-immunofluorescence to demonstrate the critical role of SPL in the regulation of WAT browning."</p> <p>Authors: Gou W,Wei H,Swaby L,Green E,Wang H</p>	<p>Year 2023</p> <p>Species Mouse</p>
<p>Nature metabolism</p> <p>Defining the lineage of thermogenic perivascular adipose tissue.</p> <p>"Published figure using PPAR gamma monoclonal antibody (Product # MA5-14889) in Immunohistochemistry"</p> <p>Authors: Angueira AR,Sakers AP,Holman CD,Cheng L,Arbocco MN,Shamsi F,Lynes MD,Shrestha R,Okada C, Batmanov K,Susztak K,Tseng YH,Liaw L,Seale P</p>	<p>Year 2021</p>

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More applications with references on thermofisher.com

- ICC/IF (2)
- IP (1)

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