

PPAR alpha/gamma Polyclonal Antibody

Product Details

| | |
|--------------------|------------------------------------------------------------|
| Size | 100 µL |
| Published Species | Human, Mouse |
| Host/Isotype | Rabbit / IgG |
| Class | Polyclonal |
| Type | Antibody |
| Conjugate | Unconjugated |
| Immunogen | Synthetic Peptide: I(484) K K T E T D M S L H P L L Q(498) |
| Form | Liquid |
| Concentration | Conc. Not Determined |
| Storage conditions | -20° C, Avoid Freeze/Thaw Cycles |
| RRID | AB_2165594 |

| Applications | Tested Dilution | Publications |
|--------------------------|-----------------|----------------|
| Western Blot (WB) | 1:2,000 | 5 Publications |
| Immunoprecipitation (IP) | Assay-dependent | 1 Publication |
| Gel Shift (GS) | Assay-dependent | 3 Publications |

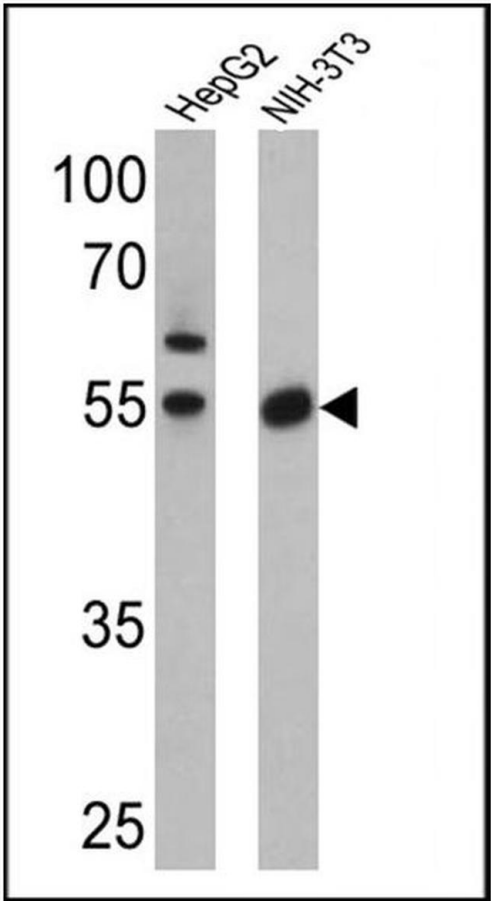
Product Specific Information

PA3-820 detects peroxisome proliferator activated receptor (PPAR) gamma 2 from human, mouse, and rat tissues and cells.

PA3-820 has been successfully used in Western blot, immunoprecipitation and gel shift procedures. By Western blot, this antibody detects an ~55 kDa protein representing PPAR gamma2 from 3T3-L1 cell lysate.

PA3-820 immunizing peptide corresponds to amino acid residues 484-498 from rat PPAR gamma2. This sequence is completely conserved in bovine, chicken, human, mouse, pig and rat PPAR gamma1, PPAR alpha and NUC1.

Product Images For PPAR alpha/gamma Polyclonal Antibody



PPAR alpha/gamma Antibody (PA3-820) in WB

Western blot analysis of PPAR was performed by loading 25 µg of HepG2 (lane 1) and NIH-3T3 (lane 2) cell lysates onto an SDS polyacrylamide gel. Proteins were transferred to a PVDF membrane and blocked at 4°C overnight. The membrane was probed with a PPAR polyclonal antibody (Product # PA3-820) at a dilution of 1:1000 overnight at 4°C, washed in TBST, and probed with an HRP-conjugated secondary antibody for 1 hr at room temperature in the dark. Chemiluminescent detection was performed using Pierce ECL Plus Western Blotting Substrate (Product # 32132). Results show a band at ~55 kDa.

[View more figures on thermofisher.com](https://thermofisher.com)

Western Blot (5)

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| <p>Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie</p> <p>Aspirin inhibits MMP-9 mRNA expression and release via the PPARalpha /gamma and COX-2/mPGES-1-mediated pathways in macrophages derived from THP-1 cells.</p> <p>"PA3-820 was used in western blot to investigate the mechanism of MMP9 expression regulation by aspirin in macrophages"</p> <p>Authors: Xue J,Hua YN,Xie ML,Gu ZL</p> | <p>Year 2010</p> <p>Species Human</p> <p>Dilution 1:200</p> |
| <p>The EMBO journal</p> <p>Essential role of Smad3 in the inhibition of inflammation-induced PPARbeta/delta expression.</p> <p>"PA3-820 was used in western blot to investigate the role of Smad3 in the inhibition of inflammation-induced PPAR beta /delta expression."</p> <p>Authors: Tan NS,Michalik L,Di-Poi N,Ng CY,Mermod N,Roberts AB,Desvergne B,Wahli W</p> | <p>Year 2004</p> <p>Species Mouse</p> |

[View more WB references on thermofisher.com](#)

Immunoprecipitation (1)

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| <p>Endocrine</p> <p>Induction and repression of peroxisome proliferator-activated receptor alpha transcription by coregulator ARA70.</p> <p>"PA3-820 was used in immunoprecipitation to investigate the regulatory effect of ARA70 on PPAR alpha transcription"</p> <p>Authors: Heinlein CA,Chang C</p> | <p>Year 2003</p> <p>Species Mouse</p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|

Gel Shift (3)

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| <p>The Journal of biological chemistry</p> <p>Cyclooxygenase-independent induction of apoptosis by sulindac sulfone is mediated by polyamines in colon cancer.</p> <p>"PA3-820 was used in EMSA to investigate the role of N1-acetyltransferase during the apoptosis induced by sulindac sulfone in human colon cancer cells."</p> <p>Authors: Babbar N,Ignatenko NA,Casero RA,Gerner EW</p> | <p>Year 2003</p> <p>Species Human</p> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|

[View more GS references on thermofisher.com](#)

More applications with references on thermofisher.com

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (i) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (ii) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (iii) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (iv) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.