

Datasheet for 600-401-J94

PPAR gamma phospho S273 Antibody**Overview**

Description:	Anti-PPAR gamma pS273 (RABBIT) Antibody - 600-401-J94
Item No.:	600-401-J94
Size:	50 µg
Applications:	Dot Blot, ELISA
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	PPAR has a receptor that binds peroxisome proliferators such as hypolipidemic drugs and fatty acids. The receptor, when activated by ligand, binds to a promotor element in the gene for acyl-CoA oxidase and activates its transcription. In this way it controls the peroxisomal beta-oxidation pathway of fatty acids. It plays a key role in regulating adipocyte differentiation, gut homeostasis, and glucose homeostasis. Anti-PPAR gamma pS273 Antibody is ideal for researchers interested in Metabolism, Cardiovascular or Neuroscience research.
Synonyms:	rabbit anti-PPAR gamma pS273 antibody, Peroxisome proliferator-activated receptor gamma, Nuclear receptor subfamily 1 group C member 3, NR1C3, PPARG, PPAR gamma
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	PPARG
Reactivity:	Human
PTM Specificity:	Phosphorylation
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-PPAR gamma pS273 affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to the internal region of human PPARG protein.
Purity/Specificity:	Anti-PPAR gamma pS273 was affinity purified from monospecific antiserum by immunoaffinity chromatography and is directed against the phosphorylated form of human PPAR gamma at the S273 residue. A BLAST analysis was used to suggest cross-reactivity with rat, mouse, primate, human, dog, bovine, and pig based on 100% sequence homology. Cross-reactivity with PPAR gamma pS273 from other sources has not been determined.
Relevant Links:	<ul style="list-style-type: none">• GeneID - 5468• NCBI - 20336229• UniProtKB - P37231

Application Details

Tested Applications:	Dot Blot, ELISA
Application Note:	Anti-PPAR antibody has been tested by ELISA and dot blot and is useful for Immunohistochemistry and Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~57kDa corresponding to the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1: 10,000
IHC:	User Optimized
WB:	1ug/ml

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.85 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.05% (w/v) Sodium Azide
Stabilizer:	None

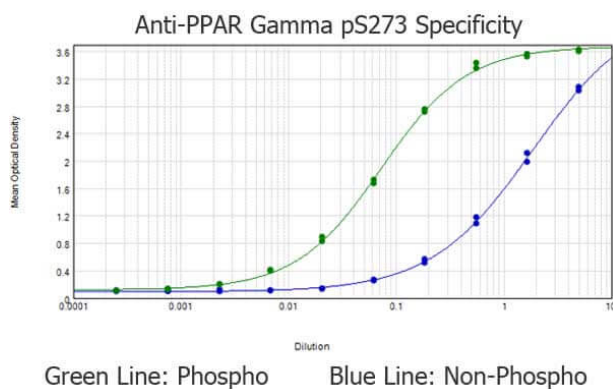
Shipping & Handling

Shipping Condition:	Dry Ice
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Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



ELISA

ELISA results of purified Rabbit anti-PPAR gamma pS273 tested against BSA-conjugated non-phospho and phospho forms of immunizing peptide. Each well was coated in duplicate with either 0.1µg of conjugate. The starting dilution of antibody was 5µg/ml and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using 3% fish gelatin as blocking buffer, Goat anti-Rabbit IgG Antibody Peroxidase Conjugated (Min X Bv Ch Gt GP Ham Hs Hu Ms Rt & Sh Serum Proteins) (p/n 611-103-122) and TMB substrate p/n TMBE-1000.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.