

## PPARG Antibody

Catalog No: #32055

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

|                       |  |
|-----------------------|--|
| Product Name          | PPARG Antibody   |
| Host Species          | Rabbit   |
| Clonality             | Polyclonal   |
| Purification          | Antibodies were purified by affinity purification using immunogen.   |
| Applications          | WB IHC IF  |
| Species Reactivity    | Hu Ms Rt   |
| Specificity           | The antibody detects endogenous level of total PPARG protein.  |
| Immunogen Type        | Peptide  |
| Immunogen Description | A synthetic peptide of human PPARG .   |
| Target Name           | PPARG  |
| Other Names           | PPARG; PPARgamma; CIMT1; PPARG2; PPARG1  |
| Accession No.         | Swiss-Prot:P37231NCBI Gene ID:5468   |
| SDS-PAGE MW           | 58KD   |
| Concentration         | 1.0mg/ml   |
| Formulation           | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage               | Store at -20°C   |

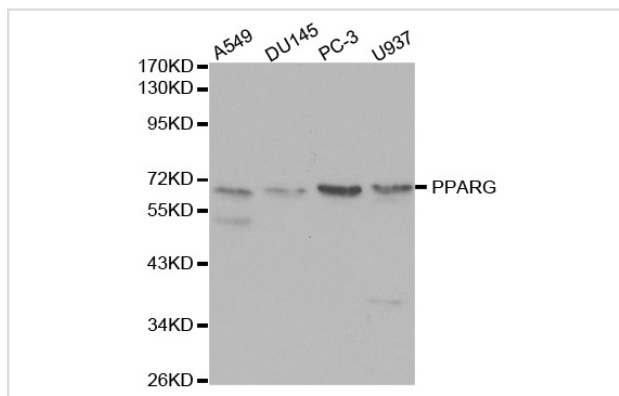
## Application Details

Western blotting: 1:500 - 1:1000

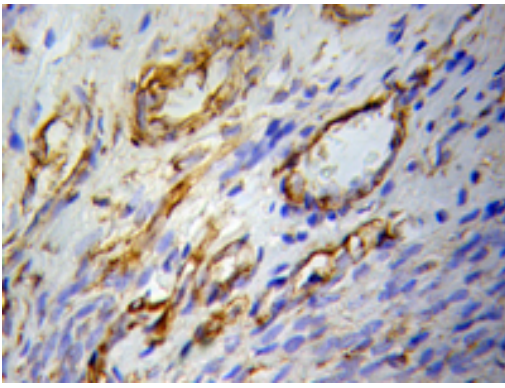
Immunohistochemistry: 1:50 - 1:100

Immunofluorescence: 1:50 - 1:100

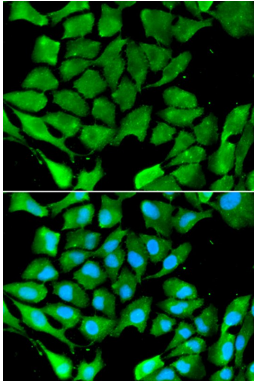
## Images



Western blot analysis of extracts of various cell lines, using PPARG antibody.



Immunohistochemical analysis of paraffin-embedded H-ovary using PPARγ Antibody at Dilution 1:100



Immunofluorescence analysis of A549 cell using PPARγ antibody. Blue: DAPI for nuclear staining.

## Background

Peroxisome proliferator-activated receptor  $\gamma$  (PPAR $\gamma$ ) is a member of the ligand-activated nuclear receptor superfamily and functions as a transcriptional activator (1). PPAR $\gamma$  is preferentially expressed in adipocytes as well as in vascular smooth muscle cells and macrophage (2). Besides its role in mediating adipogenesis and lipid metabolism (2), PPAR $\gamma$  also modulates insulin sensitivity, cell proliferation and inflammation (3). PPAR $\gamma$  transcriptional activity is inhibited by MAP kinase phosphorylation of PPAR $\gamma$  at Ser84 (4,5).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.