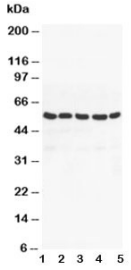
PPAR gamma Antibody / PPARG (R30380)

Catalog No.	Formulation	Size
R30380	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P37231
Applications	Western blot: 0.5-1ug/ml
Limitations	This PPAR gamma antibody is available for research use only.



Western blot testing of PPAR gamma antibody and Lane 1: MM453; 2: MM231; 3: HeLa; 4: Jurkat; 5: HT1080 cell lysate. Predicted molecular weight: 54-57 kDa.

Description

The peroxisome proliferator-activated receptors are a group of three nuclear receptor isoforms, PPAR gamma, alpha, delta, encoded by different genes. PPARs are ligand-regulated transcription factors that control gene expression by binding to specific response elements (PPREs) within promoters. PPAR gamma is a transcription factor that has a pivotal role in adipocyte differentiation and expression of adipocyte-specific genes. Isoforms 1 and 2 result from alternative splicing and have ligand-dependent and -independent activation domains. PPAR gamma is a member of a family of nuclear receptors/ligand-dependent transcription factors, which bind to hormone response elements on target gene promoters. Ameshima et al.(2003) found that it is abundantly expressed in normal lung tissues, especially in endothelial

cells, but that its expression is reduced or absent in the angiogenic plexiform lesions of pulmonary hypertensive lungs and in the vascular lesions of a rat model of severe pulmonary hypertension. And they conclude that fluid shear stress decreases its expression in endothelial cells and that loss of expression characterizes an abnormal, proliferating, apoptosis-resistant endothelial cell phenotype.

Application Notes

The stated application concentrations are suggested starting points. Titration of the PPAR gamma antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acis 45-62 (PHYEDIPFTRTDPVVADY-human) were used as the immunogen for this PPAR gamma antibody.

Storage

After reconstitution, the PPAR gamma antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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