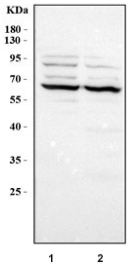
PPAR gamma Antibody (Middle Region) (R32839)

Catalog No.	Formulation	Size
R32839	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% Trehalose
UniProt	P37231
Applications	Western Blot : 0.5-1ug/ml
Limitations	This PPAR gamma antibody is available for research use only.



Western blot testing of human 1) K562 and 2) MCF7 cell lysate with PPAR gamma antibody at 0.5ug/ml. Predicted molecular weight: 54-57 kDa.

Description

The peroxisome proliferator-activated receptors (PPARs) are a group of three nuclear receptor isoforms, PPAR gamma, PPAR alpha, and PPAR 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. The PPAR gamma1 and gamma2 isoforms 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. PPAR gamma 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 it is concluded that fluid shear stress decreases the expression of PPARgamma in endothelial cells and that loss of PPARgamma expression characterizes an abnormal, proliferating, apoptosis-resistant endothelial cell phenotype.

Application Notes

Optimal dilution of the PPAR gamma antibody should be determined by the researcher.

Immunogen

Amino acids 207-248 (AIRFGRMPQAEKEKLLAEISSDIDQLNPESADLRALAKHLYD) were used as the immunogen for the 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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