PGC1 alpha+beta Conjugated Antibody

Catalog No: #C49410

Package Size: #C49410-AF350 100ul #C49410-AF405 100ul #C49410-AF488 100ul #C49410-AF555 100ul #C49410-AF594 100ul #C49410-AF647 100ul #C49410-AF680 100ul #C49410-AF750 100ul #C49410-Biotin 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	PGC1 alpha+beta Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	LEM6 antibody Ligand effect modulator 6 antibody PERC antibody Peroxisome proliferative activated receptor, gamma, coactivator 1 alpha antibody Peroxisome proliferative activated receptor, gamma, coactivator 1 antibody Peroxisome proliferator activated receptor gamma coactivator 1 alpha antibody peroxisome proliferator-activated receptor gamma coactivator 1 beta antibody Peroxisome proliferator-activated receptor gamma coactivator 1-alpha antibody Peroxisome proliferator-activated receptor gamma coactivator 1-beta antibody peroxisome proliferator-activated receptor gamma, coactivator 1 beta antibody PGC 1 (alpha) antibody PGC 1 alpha antibody PGC 1v antibody PGC-1(beta) antibody PGC-1-alpha antibody PGC-1-beta antibody PGC-1-related estrogen receptor alpha coactivator antibody PGC1 antibody PGC1(alpha) antibody PGC1A antibody PGC1v antibody PPAR gamma coactivator 1 alpha antibody PPAR gamma coactivator 1 alpha 3 ligand effect modulator 6 antibody PPAR gamma coactivator 1 antibody PPAR gamma coactivator variant form antibody PPAR gamma coactivator-1beta antibody PPAR-gamma coactivator 1-alpha antibody PPAR-gamma coactivator 1-beta antibody PPARGC 1 alpha antibody PPARGC-1-alpha antibody PPARGC-1-beta antibody PPARGC1 antibody PPARGC1A antibody Ppargc1b antibody PRGC1_HUMAN antibody PRGC2_HUMAN antibody
Accession No.	Swiss-Prot#:Q86YN6
Uniprot	Q86YN6
GeneID	133522;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	113 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Transcription factors exert their effects by associating with co-activator or corepressor proteins. The co-activator complexes are thought to be constitutively active, requiring only proper positioning in the genome to initiate transcription. Co-activators include the steroid receptor coactivator (SRC) and CREB binding protein (CBP) families that contain histone acetyltransferase (HAT) activity, which modifies chromatin structure. PPARgamma co-activator-1 (PGC-1) is a transcriptional cofactor of nuclear respiratory factor-1 (NRF-1), PPARbeta, PPARalpha and other nuclear receptors that is induced by exposure to cold temperatures and is involved in regulating thermogenic gene expression, protein uncoupling, and mitochondrial biogenesis. PGC-1 has a low inherent transcriptional activity when it is not bound to a transcription factor. Docking of PGC-1 to PPARgamma stimulates an apparent conformational change that then enables PGC-1 to bind to and assemble into complexes, which include the additional cofactors SRC-1 and CBP/p300, and results in a large increase in transcriptional activity.

Note: This product is for in vitro research use only