10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PGCC1 Antibody

Catalog # ASC10962

Product Information

Application	WB, E
Primary Accession	Q96EK7
Other Accession	Q96EK7, 74751843
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	103783
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	PGCC1 antibody can be used for detection of PGCC1 by Western blot at 0.5 - 1 g/mL.

Additional Information

Gene ID	84498
Other Names	Constitutive coactivator of peroxisome proliferator-activated receptor gamma, Constitutive coactivator of PPAR-gamma, Constitutive coactivator of PPARG, PPARG constitutive coactivator 1, PGCC1, Protein FAM120B, FAM120B, CCPG, KIAA1838
Target/Specificity	FAM120B; This antibody will not cross-react with FAM120A.
Reconstitution & Storage	PGCC1 antibody can be stored at 4℃ for three months and -20℃, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	PGCC1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	FAM120B
Synonyms	CCPG, KIAA1838
Function	Functions as a transactivator of PPARG and ESR1. Functions in adipogenesis through PPARG activation (By similarity).
Cellular Location	Nucleus.
Tissue Location	Widely expressed..

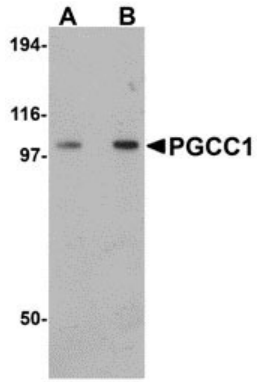
Background

PGCC1 Antibody: The transcription factor peroxisome proliferator-activated receptor gamma (PPARg) plays essential roles in adipogenesis by regulating adipocyte-specific genes through association of various co-factors. One such co-factor, PGCC1 (also known as FAM120B), is widely expressed in adult tissues and throughout embryonic development. Overexpression of this protein in OP9 pre-adipocytes promoted their differentiation into adipocytes, and knockdown of PGCC1 expression through RNA interference blocked this process. PGCC1 is homologous to C9orf10 (also known as FAM120A) and has been mapped to chromosome Xp11.22. At least two isoforms of PGCC1 are known to exist.

References

Berger J and Moller DE. The mechanisms of actions of PPARs. Annu. Rev. Med.2002; 53:409-35.
Li D, Kang Q, and Wang D-M. Constitutive coactivator of peroxisome proliferator-activated receptor (PPARg), a novel coactivator of PPARg that promotes adipogenesis. Mol. Endocrin.2007; 21:2320-33.
Holden S and Raymond FL. The human gene CXorf17 encodes a member of a novel family of putative transmembrane proteins: cDNA cloning and characterization of CXorf17 and its mouse ortholog orf34. Gene2003; 318:149-61.

Images



Western blot analysis of PGCC1 in rat thymus tissue lysate with PGCC1 antibody at (A) 0.5 and (B) 1 µg/mL.