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PGCC1 Antibody
Catalog # ASC10962

Specification

PGCC1 Antibody - Product Information

Application	**WB**
Primary Accession	Q96EK7
Other Accession	Q96EK7, 74751843
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Application Notes	**PGCC1 antibody can be used for detection of PGCC1 by Western blot at 0.5 - 1 µg/mL.**

PGCC1 Antibody - Additional Information

Gene ID **84498**

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.

PGCC1 Antibody - 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..

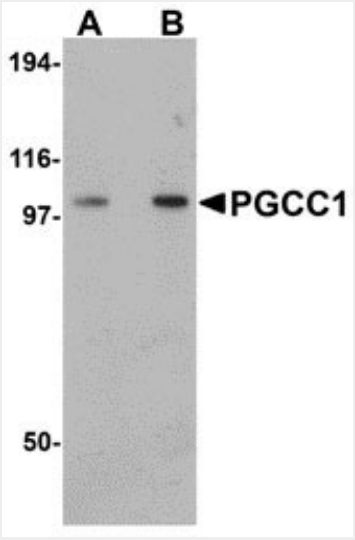
PGCC1 Antibody - Protocols

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Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PGCC1 Antibody - Images



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

PGCC1 Antibody - 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.

PGCC1 Antibody - 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.