

Rabbit Adiponectin Polyclonal Antibody | anti-ADIPOQ antibody

Adiponectin Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40104	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

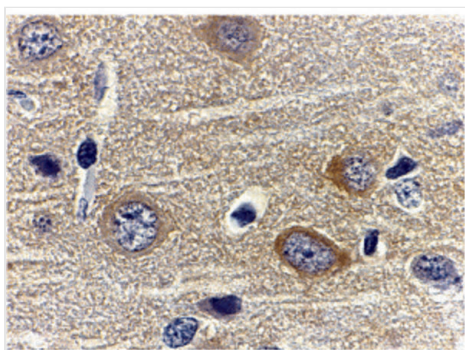
PRODUCT SYNONYMS

Adiponectin; Polyclonal Antibody; Adiponectin Antibody; ACDC; ADPN; APM1; APM-1; GBP28; ACRP30; ADIPQTL1; 30 kDa adipocyte complement-related protein; adiponectin; C1Q and collagen domain containing; anti-ADIPOQ antibody

PRODUCT SPECIFICATIONS

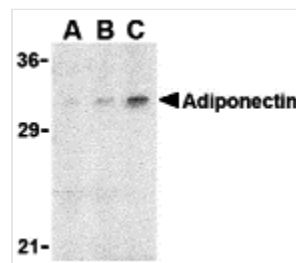
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Adiponectin Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	244
Applicable Applications for anti-ADIPOQ antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	Adiponectin antibody was raised against a 15 amino acid synthetic peptide from near the amino terminus of human adiponectin.
Buffer	Adiponectin Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Adiponectin antibody can be stored at 4 degree C for three months and -20 degree C, 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.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of adiponectin in rat brain tissue with adiponectin antibody at 1 μg/mL.



WB (Western Blot)

Western blot analysis of adiponectin in rat brain cell lysate with adiponectin antibody at (A) 1, (B) 2, and (C) 4 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-ADIPOQ antibody	Adiponectin Antibody: Adipose tissue of an organism plays a major role in regulating physiologic and pathologic processes such as metabolism and immunity by producing and secreting a variety of bioactive molecules termed adipokines. One highly conserved family of adipokines is adiponectin/ACRP30 and its structural and functional paralogs, the C1q/tumor necrosis factor-alpha-related proteins (CTRPs) 1-7. Unlike the CTRPs, which are expressed in a wide variety of tissues, adiponectin is reported to be expressed exclusively by differentiated adipocytes. These proteins are thought to act mainly on liver and muscle tissue to control glucose and lipid metabolism. An analysis of the crystal structure of adiponectin revealed a structural and evolutionary link between TNF and C1q-containing proteins, suggesting that these proteins arose from a common ancestral innate immunity gene. It is present in high levels in normal human plasma, but is reduced in obese subjects and often in those with increased insulin resistance and type 2 diabetes, suggesting that adiponectin may be a useful pharmacological target in various metabolic diseases.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4757760
NCBI GeneID	9370
NCBI Accession #	NP_004788
NCBI GenBank Nucleotide #	NM_004797.3
UniProt Accession #	Q15848; Q58EX9
Molecular Weight	26,414 Da
NCBI Official Full Name	adiponectin
NCBI Official Synonym Full Names	adiponectin, C1Q and collagen domain containing
NCBI Official Symbol	ADIPOQ
NCBI Official Synonym Symbols	ACDC; ADPN; APM1; APM-1; GBP28; ACRP30; ADIPQTL1
NCBI Protein Information	adiponectin; gelatin-binding protein 28; adipose specific collagen-like factor; 30 kDa adipocyte complement-related protein; adipocyte complement-related 30 kDa protein; adipose most abundant gene transcript 1 protein
UniProt Protein Name	Adiponectin
UniProt Gene Name	ADIPOQ
UniProt Synonym Gene Names	ACDC; ACRP30; APM1; GBP28; ACRP30; apM-1
UniProt Entry Name	ADIPO_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.