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Product datasheet for CF503801

Adiponectin (ADIPOQ) Mouse Monoclonal Antibody [Clone ID: OTI1B2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1B2
Applications:	FC, IF, IHC, WB
Recommend Dilution:	WB 1:500, IHC 1:150, IF 1:100, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 19-244 of human ADIPOQ(NP_004788) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	24.9 kDa
Gene Name:	Homo sapiens adiponectin, C1Q and collagen domain containing (ADIPOQ), transcript variant 2, mRNA.
Database Link:	NP_004788 Entrez Gene 9370 Human
Background:	This gene is expressed in adipose tissue exclusively. It encodes a protein with similarity to collagens X and VIII and complement factor C1q. The encoded protein circulates in the plasma and is involved with metabolic and hormonal processes. Mutations in this gene are associated with adiponectin deficiency. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Apr 2010]

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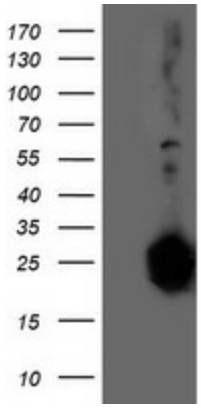
Synonyms: ACDC; ACRP30; ADIPQTL1; ADPN; APM-1; APM1; GBP28

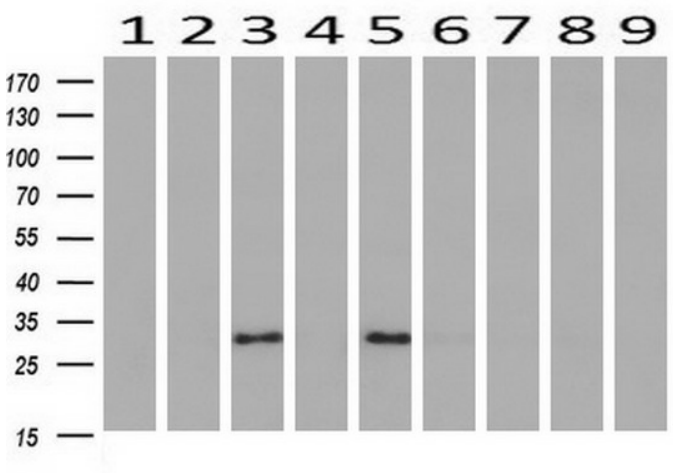
Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Adipocytokine signaling pathway, PPAR signaling pathway, Type II diabetes mellitus

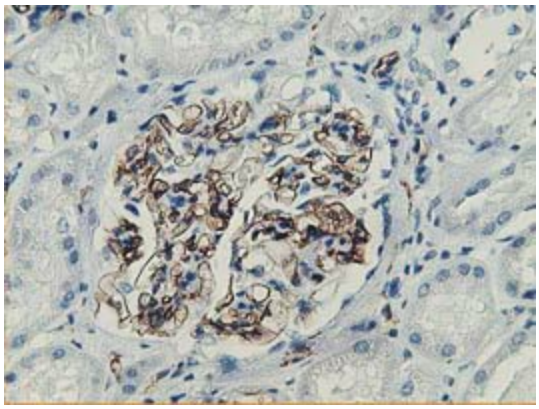
Product images:



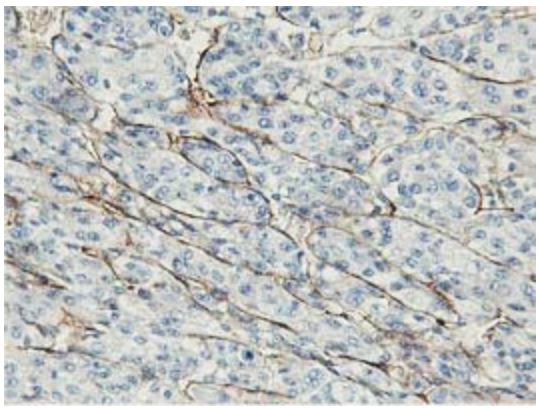
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY ADIPOQ ([RC215161], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ADIPOQ. Positive lysates [LY401510] (100ug) and [LC401510] (20ug) can be purchased separately from OriGene.



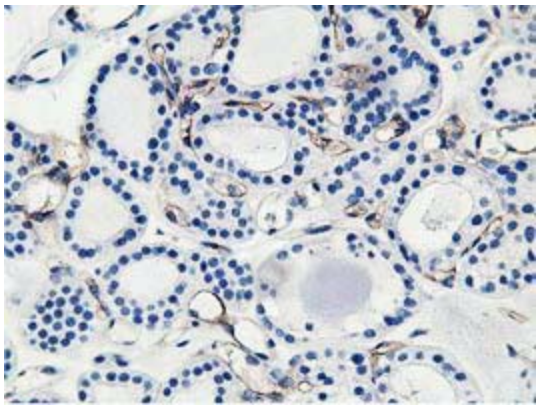
Western blot analysis of extracts (10ug) from 9 Human tissue by using anti-ADIPOQ monoclonal antibody at 1:200 (1: Testis; 2: Omentum; 3: Uterus; 4: Breast; 5: Brain; 6: Liver; 7: Ovary; 8: Thyroid gland; 9: colon).



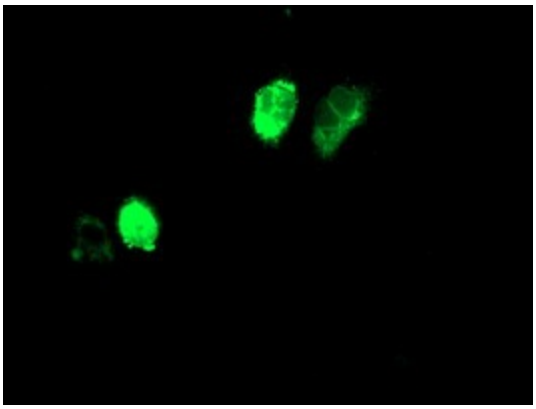
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-ADIPOQ mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA503801])



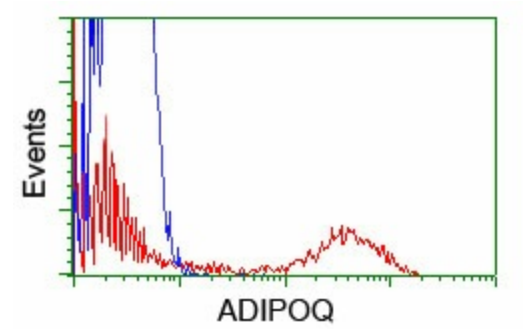
Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-ADIPOQ mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA503801])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-ADIPOQ mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA503801])



Anti-ADIPOQ mouse monoclonal antibody ([TA503801]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY ADIPOQ ([RC215161]).



HEK293T cells transfected with either [RC215161] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-ADIPOQ antibody ([TA503801]), and then analyzed by flow cytometry.