

## Product datasheet for **UM500072CF**

### Adiponectin (ADIPOQ) Mouse Monoclonal Antibody [Clone ID: UMAB104]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB104
Applications:	IHC, WB
Recommended Dilution:	IHC 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)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	24.9 kDa
Gene Name:	adiponectin, C1Q and collagen domain containing
Database Link:	<a href="#">NP_004788</a> <a href="#">Entrez Gene 9370 Human</a> <a href="#">Q15848</a>

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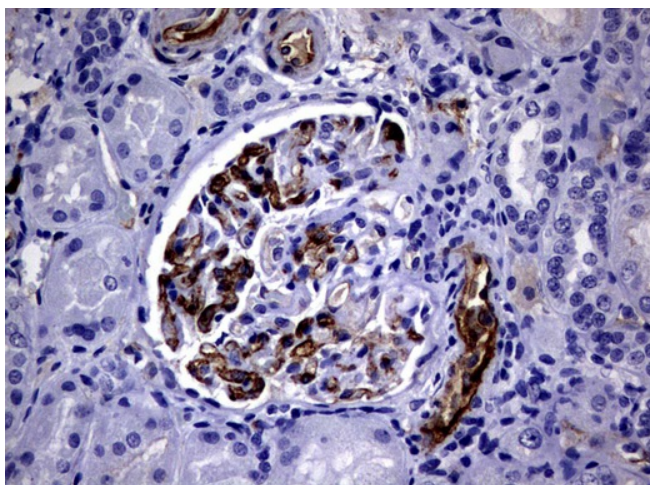
**Background:** This gene is expressed in adipose tissue exclusively. It encodes a protein with similarity to collagens X and VIII and complement factor C1q. The encoded protein circulates in the plasma and is involved with metabolic and hormonal processes. Mutations in this gene are associated with adiponectin deficiency. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Apr 2010]

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

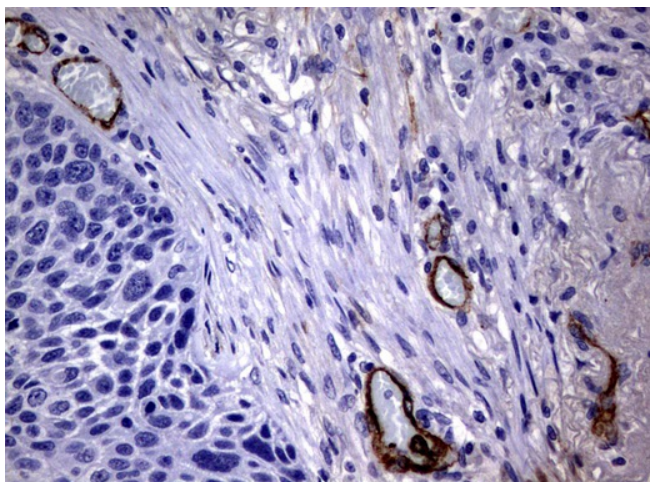
**Protein Families:** Druggable Genome, Secreted Protein

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

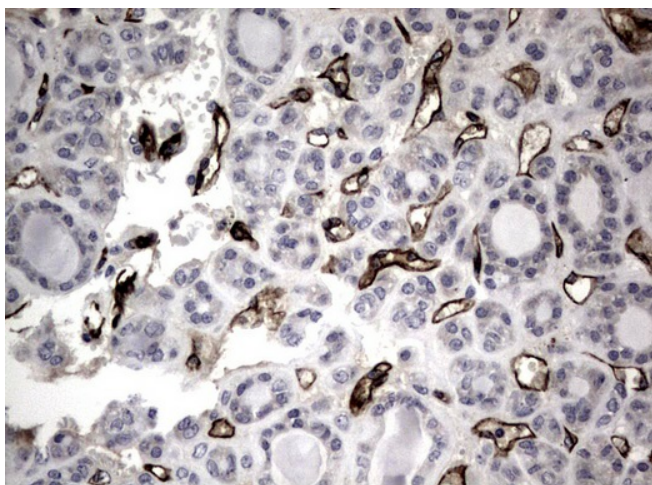
### Product images:



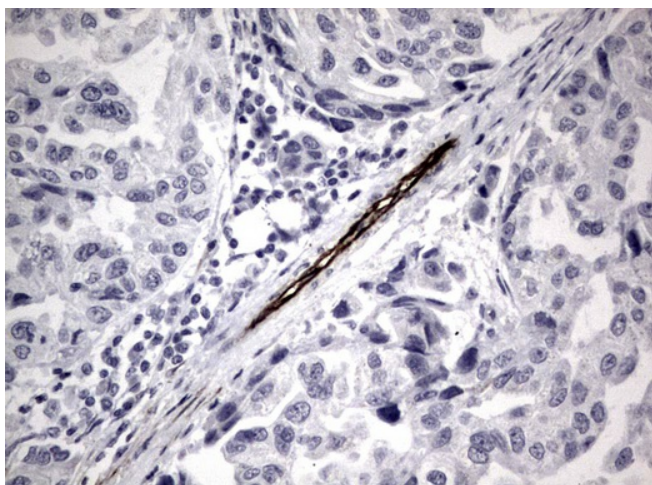
Immunohistochemical staining of paraffin-embedded human kidney tissue using ADIPOQ clone UMAB104, mouse monoclonal antibody. Heat-induced epitope retrieval by 10mM citric buffer pH6.0 was done at 120°C for 3min in pressure chamber/cooker prior to [UM500072] application. [UM500072] was diluted 1:100 and detection with shown HRP enzyme and DAB chromogen. Strong cytoplasmic and membranous staining is seen in the glomeruli and vessel endothelia cells. Staining was not detected in the tubules.



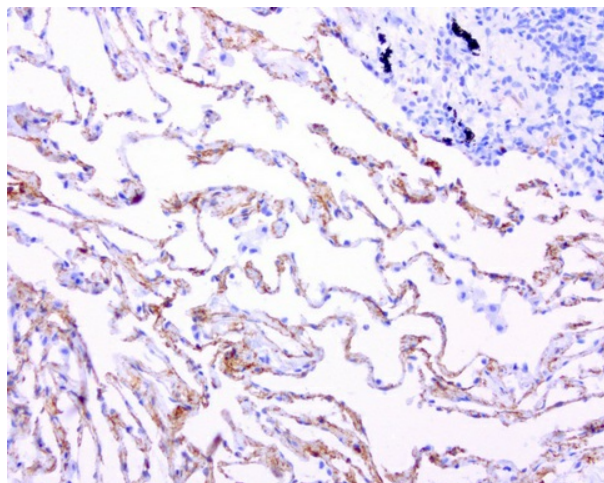
Immunohistochemical staining of paraffin-embedded carcinoma of human lung tissue using ADIPOQ clone UMAB104, mouse monoclonal antibody. Heat-induced epitope retrieval by 10mM citric buffer pH6.0 was done at 120°C for 3min in pressure chamber/cooker prior to [UM500072] application. [UM500072] was diluted 1:100 and detection shown with HRP enzyme and DAB chromogen. Strong cytoplasmic and membranous staining is seen in vessel endothelial cells no staining was seen in tumor cells.



Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-ADIPOQ mouse monoclonal antibody. ([UM500072]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)

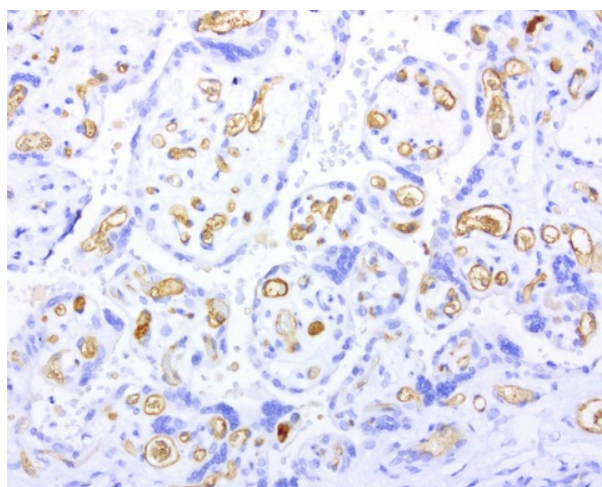


Immunohistochemical staining of paraffin-embedded carcinoma of human bladder tissue using ADIPOQ clone UMAB104, mouse monoclonal antibody. Heat-induced epitope retrieval by 10mM citric buffer pH6.0 was done at 120°C for 3min in pressure chamber/cooker prior to [UM500072] application. [UM500072] was diluted 1:100 and detection shown with HRP enzyme and DAB chromogen. Strong cytoplasmic and membranous staining is seen in vessel endothelial cells no staining was seen in tumor cells.

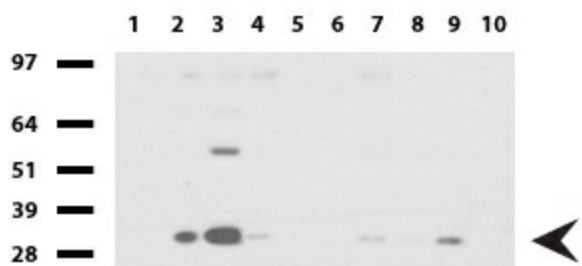


Immunohistochemical staining of paraffin-embedded human lung using ADIPOQ clone UMAB104, mouse monoclonal antibody at 1:100 dilution of 1mg/mL using Polink2 Broad HRP DAB for detection. [UM500072] requires heat-induced epitope retrieval with Citrate pH6.0 at 110°C for 3min using pressure chamber/cooker. The image shows strong membranous and cytoplasmic staining of the endothelial cells. Normal lung epithelia cells and tumor cells are negative for ADIPOQ.





Immunohistochemical staining of paraffin-embedded human placenta using ADIPOQ clone UMAB104, mouse monoclonal antibody at 1:100 dilution of 1mg/mL using Polink2 Broad HRP DAB for detection. [UM500072] requires heat-induced epitope retrieval with Citrate pH6.0 at 110°C for 3min using pressure chamber/cooker. The image shows strong membranous and cytoplasmic staining of the endothelial cells.



Western blot of human tissue lysates (15ug) from 10 different tissues (1: Testis, 2: Omentum, 3: Uterus, 4: Breast, 5: Brain, 6: Liver, 7: Ovary, 8: Thyroid, 9: Colon, 10: Spleen ). Dilution: 1:500.