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

Adiponectin Antibody (clone HADI 773)

Mouse Monoclonal Antibody
Catalog # ALS17233

Specification

Adiponectin Antibody (clone HADI 773) - Product Information

Application	**IHC-P, WB**
Primary Accession	Q15848
Other Accession	9370
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1,k**
Calculated MW	**26414**

Adiponectin Antibody (clone HADI 773) - Additional Information

Gene ID 9370

Other Names
ADIPOQ, Adiponectin, ADPN, ACDC, ADIPQTL1, APM-1, APM1, ACRP30, Gelatin-binding protein 28, GBP28, Gelatin-binding protein

Target/Specificity
Recognizes human adiponectin. Detects a band of ~30kDa by Western blot. Cross-reactivity with other species not tested.

Reconstitution & Storage
PBS, pH 7.4, no preservatives. Long term: -20°C; Short term: +4°C; Avoid freeze-thaw cycles.

Precautions
Adiponectin Antibody (clone HADI 773) is for research use only and not for use in diagnostic or therapeutic procedures.

Adiponectin Antibody (clone HADI 773) - Protein Information

Name ADIPOQ

Function
Important adipokine involved in the control of fat metabolism and insulin sensitivity, with direct anti-diabetic, anti-atherogenic and anti-inflammatory activities. Stimulates AMPK phosphorylation and activation in the liver and the skeletal muscle, enhancing glucose utilization and fatty-acid combustion. Antagonizes TNF-alpha by negatively regulating its expression in various tissues such as liver and macrophages, and also by counteracting its effects. Inhibits endothelial NF-kappa-B signaling through a cAMP-dependent pathway. May play a role in cell growth, angiogenesis and tissue remodeling by binding and sequestering various growth factors with distinct binding affinities, depending on the type of complex, LMW, MMW or HMW.

Cellular Location
Secreted.

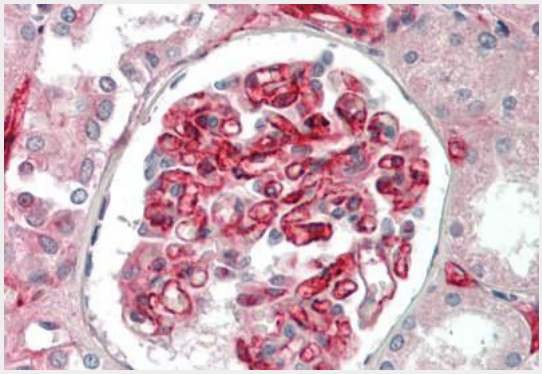
Tissue Location
Synthesized exclusively by adipocytes and secreted into plasma.

Adiponectin Antibody (clone HADI 773) - Protocols

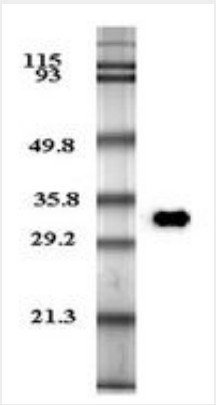
Provided below are standard protocols that you may find useful for product applications.

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

Adiponectin Antibody (clone HADI 773) - Images



Human Kidney: Formalin-Fixed, Paraffin-Embedded (FFPE)



Western Blot analysis of human plasma adiponectin using anti-Adiponectin (human), mAb (HADI 773)...

Adiponectin Antibody (clone HADI 773) - Background

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and activation in the liver and the skeletal muscle, enhancing glucose utilization and fatty-acid combustion. Antagonizes TNF-alpha by negatively regulating its expression in various tissues such as liver and macrophages, and also by counteracting its effects. Inhibits endothelial NF-kappa-B signaling through a cAMP-dependent pathway. May play a role in cell growth, angiogenesis and tissue remodeling by binding and sequestering various growth factors with distinct binding affinities, depending on the type of complex, LMW, MMW or HMW.

Adiponectin Antibody (clone HADI 773) - References

Maeda K.,et al.Biochem. Biophys. Res. Commun. 221:286-289(1996).
Saito K.,et al.Gene 229:67-73(1999).
Schaeffler A.,et al.Biochem. Biophys. Res. Commun. 260:416-425(1999).
Zhang Z.,et al.Protein Sci. 13:2819-2824(2004).
Nakano Y.,et al.J. Biochem. 120:803-812(1996).