bs-0471R

[Primary Antibody]

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Adiponectin Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GeneID: 9370 **SWISS:** Q15848

Target: Adiponectin

Immunogen: KLH conjugated synthetic peptide derived from human

Adiponectin: 151-244/244.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: Adiponectin: A protein hormone produced and secreted

exclusively by adipocytes (fat cells) that regulates the metabolism of lipids and glucose. Adiponectin influences the body's response to insulin. Adiponectin also has antiinflammatory effects on the cells lining the walls of blood vessels. High blood levels of adiponectin are associated with a reduced risk of heart attack. Low levels of adiponectin are found in people who are obese (and who are at increased risk of a heart attack). Adipocytes produce and secrete a number of proteins, including leptin, adipsin, properdin, and tumor necrosis factor (TNF). An adipose tissue-specific factor was isolated and termed APM1 (AdiPose Most abundant gene transcript 1). The protein product of APM1 is adiponectin. The

APM1 gene maps to chromosome 3q27.

Applications: WB (1:500-2000)

IHC-P (1:100-500) **IHC-F** (1:100-500) **IF** (1:100-500)

Reactivity: Human, Mouse, Rat

(predicted: Rabbit, Pig, Cow, Chicken, Dog)

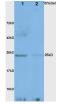
Predicted 25 kDa

Subcellular Location: Secreted

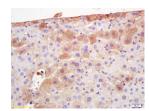
VALIDATION IMAGES -



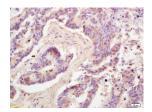
Sample: Heart (Mouse) Lysate at 40 ug Primary: Anti- Adiponectin (bs-0471R) at 1/300 dilution Secondary: HRP conjugated Goat-Anti-rabbit IgG (bs-0295G-HRP) at 1/5000 dilution Predicted band size: 25 kD Observed band size: 27 kD



Sample: Liver (Rat) Lysate at 40 ug Intestine (Mouse) Lysate at 40 ug Primary: Anti-Adiponectin (bs-0471R) at 1/300 dilution Secondary: HRP conjugated Goat-Anti-rabbit IgG (bs-0295G-HRP) at 1/5000 dilution Predicted band size: 25 kD Observed band size: 25 kD



Tissue/cell: mouse liver tissue; 4% Paraformaldehyde-fixed and paraffinembedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-Adiponectin Polyclonal Antibody, Unconjugated(bs-0471R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human colon carcinoma; 4%

Paraformaldehyde-fixed and paraffinembedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-Adiponectin Polyclonal Antibody, Unconjugated(bs-0471R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

- SELECTED CITATIONS -

- [IF=14.7] Manyun Chen. et al.A critical role for Phocaeicola vulgatus in negatively impacting metformin response in diabetes.ACTA PHARMACEUTICA SINICA B. IF; Mouse. 10.1016/j.apsb.2025.02.008
- [IF=9.2] Chen Manyun. et al. Bacteroides ovatus accelerates metformin-induced vitamin B12 deficiency in type 2 diabetes patients by accumulating cobalamin. NPJ BIOFILMS MICROBI. 2023 Jul;9(1):1-15 IHC; Mouse. 37488134
- [IF=7.3] Zhu Dongxu. et al. Leptin receptor signaling mediates the distinct tendon-bone interface reconstruction in rotator cuff tears and osteoporosis-comorbid rotator cuff tears. STEM CELL RES THER. 2025 Dec;16(1):1-14 IHC; Rat. 40847364
- [IF=5.6] Yongxing Chen. et al. Integrating Single-Cell RNA-Seq and Bulk RNA-Seq Data to Explore the Key Role of Fatty Acid Metabolism in Breast Cancer. INT J MOL SCI. 2023 Jan;24(17):13209 Other; 37686016
- [IF=5.6] Yu Liang. et al. Elucidating the Role of circTIAM1 in Guangling Large-Tailed Sheep Adipocyte Proliferation and Differentiation via the miR-485-3p/PLCB1 Pathway. INT J MOL SCI. 2024 Jan;25(9):4588 WB; Sheep. 38731807