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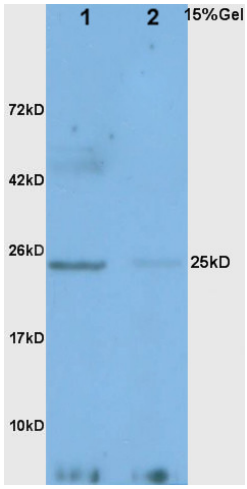
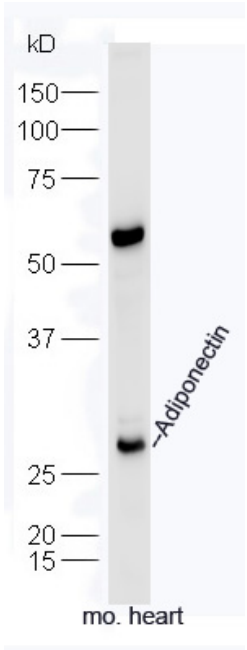
Adiponectin Rabbit pAb

Catalog Number:	bs-0471R
Target Protein:	Adiponectin
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
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 MW:	25 kDa
Entrez Gene:	9370
Swiss Prot:	Q15848
Source:	KLH conjugated synthetic peptide derived from human Adiponectin: 151-244/244.
Purification:	affinity purified by Protein A
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.

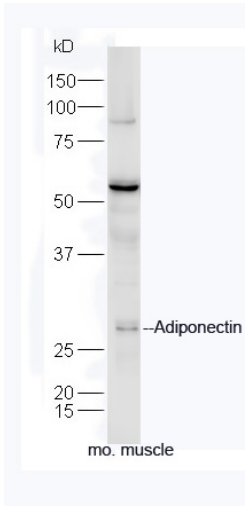
VALIDATION IMAGES



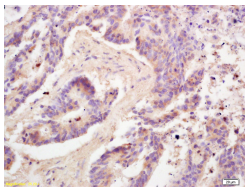
Sample: Liver (Rat) Lysate at 40 ug Intestine (Mouse) Lysate at 40 ug Primary: Anti- Adiponectin (bs-0471R) at 1/300 dilution Secondary: HRP conjugated Goat-Anti-rabbit IgG (bs-0295G-HRP) at 1/5000 dilution Predicted band size: 25 kD Observed band size: 25 kD



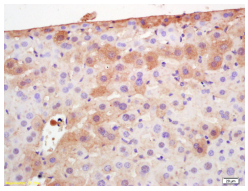
Sample: Heart (Mouse) Lysate at 40 ug Primary: Anti- Adiponectin (bs-0471R) at 1/300 dilution Secondary: HRP conjugated Goat-Anti-rabbit IgG (bs-0295G-HRP) at 1/5000 dilution Predicted band size: 25 kD Observed band size: 27 kD



Sample: muscle (Mouse) Lysate at 40 ug Primary: Anti-Adiponectin (bs-0471R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 30 kD Observed band size: 30 kD



Tissue/cell: human colon carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; 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: mouse liver tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; 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

PRODUCT SPECIFIC PUBLICATIONS

[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=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

[IF=5.116] Pengyu Hong. et al. Therapeutic potential of small extracellular vesicles derived from lipoma tissue in adipose tissue regeneration—an in vitro and in vivo study. Stem Cell Res Ther. 2021 Dec;12(1):1-13 IHC ; Human . 33789709

[IF=4.522] Khan R et al. Bta‐miR‐149‐5p inhibits proliferation and differentiation of bovine adipocytes through targeting CRTCs at both transcriptional and posttranscriptional levels. J Cell Physiol. 2020 Jan 31. ICC ; Bovine . 32003022