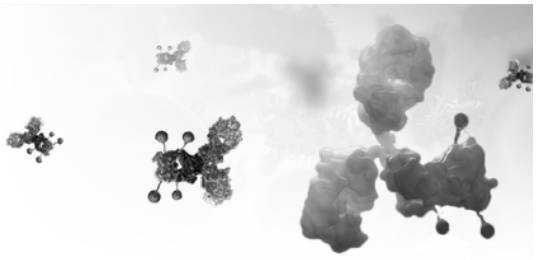

Anti-ADIPOQ monoclonal antibody, clone 5H7 (CABT-49072MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse anti Human adiponectin, clone 5H7 recognizes the collagen-like domain of human adiponectin, also known as Acrp30, Gelatin-binding protein, Adipose most abundant gene transcript 1 protein, Adipocyte complement-related 30 kDa protein or apM-1. Adiponectin a 244 amino acid ~30kDa major adipokine secreted into the bloodstream from adipose tissue into the circulation where it exists as three distinct, low, medium and high molecular weight oligomeric forms (UniProt: Q15848). Circulating adiponectin levels are correlated with insulin sensitivity and decreased levels parallel the change in insulin sensitivity during the progression to type II diabetes. Mutations in the adiponectin gene can also lead to adiponectin deficiency charactrized by obesity, diabetes, high blood pressure and circulating cholerterol. Mouse anti Human adiponectin, clone 5H7 had been used succesfully as a detection reagent in the development of sensitive sandwich ELISAs in conjunction with Mouse anti adiponectin clones Adn27 or Adn36 as capture reagents. Western Blotting detects a band of approximately 64kDa in mouse liver cell lysates.
Specificity	ADIPOQ
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human, Mouse
Clone	5H7
Conjugate	Unconjugated
Applications	ELISA; WB
Format	Purified IgG - liquid

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Size	100 µg
Preservative	0.1% Sodium Azide
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	ADIPOQ adiponectin, C1Q and collagen domain containing [Homo sapiens (human)]
Official Symbol	ADIPOQ
Synonyms	ADIPOQ; adiponectin, C1Q and collagen domain containing; ACDC; ADPN; APM1; APM-1; GBP28; ACRP30; ADIPQTL1; adiponectin; gelatin-binding protein 28; adipose specific collagen-like factor; 30 kDa adipocyte complement-related protein; adipocyte complement-re
Entrez Gene ID	9370
Protein Refseq	NP_001171271
UniProt ID	Q15848
Chromosome Location	3q27
Pathway	AMPK signaling; AMPK signaling pathway; Adipocytokine signaling pathway; Adipogenesis; Developmental Biology; Non-alcoholic fatty liver disease (NAFLD); PPAR signaling pathway; Transcriptional regulation of white adipocyte differentiation;
Function	cytokine activity; hormone activity; identical protein binding; protein binding; protein homodimerization activity; receptor binding; sialic acid binding;

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