

Datasheet for ABIN3044505
anti-Adipsin antibody (AA 30-235)



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1 Image

Overview

Quantity:	100 µg
Target:	Adipsin (CFD)
Binding Specificity:	AA 30-235
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Adipsin antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Anti-Factor D/CFD Antibody Picoband®
Immunogen:	E. coli-derived mouse Factor D recombinant protein (Position: Q30-K235). Mouse Factor D shares 66.5% and 87.4% amino acid (aa) sequence identity with human and rat Factor D, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Factor D/CFD Antibody Picoband® (ABIN3044505). Tested in WB applications. This antibody reacts with Mouse. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: Adipsin (CFD)

Alternative Name: Cfd ([CFD Products](#))

Background: Synonyms: Complement factor D,3.4.21.46,28 kDa adipocyte protein,Adipsin,C3 convertase activator,Properdin factor D,Cfd,Adn, Df,
Tissue Specificity: Present only in testis (at protein level). .
Background: Factor D is a protein which in humans is encoded by the CFD gene. The protein encoded by this gene is a member of the trypsin family of peptidases. The encoded protein is a component of the alternative complement pathway best known for its role in humoral suppression of infectious agents. It is also a serine protease that is secreted by adipocytes into the bloodstream. And it stimulates glucose transport for triglyceride accumulation in fats cells and inhibits lipolysis. Finally, the encoded protein has a high level of expression in fat, suggesting a role for adipose tissue in immune system biology.

Molecular Weight: 43 kDa

Gene ID: 11537

UniProt: [P03953](#)

Pathways: [Complement System](#)

Application Details

Application Notes: Western blot, 0.1-0.5 µg/mL, Mouse
1. Biesma, D. H., Hannema, A. J., van Velzen-Blad, H., Mulder, L., van Zwieten, R., Kluijt, I., Roos, D. A family with complement factor D deficiency. J. Clin. Invest. 108: 233-240, 2001. 2. Ronti T, Lupattelli G, Mannarino E (April 2006). "The endocrine function of adipose tissue: an update". Clin. Endocrinol. (Oxf) 64 (4): 355-65. 3. Volanakis JE, Narayana SV (April 1996). "Complement factor D, a novel serine protease". Protein Sci. 5 (4): 553-64.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Restrictions: For Research Use only

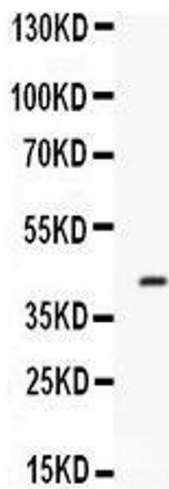
Handling

Format: Lyophilized

Handling

Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C, -20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of Factor D expression in mouse spleen extract (lane 1). Factor D at 43KD was detected using rabbit anti-Factor D Antigen Affinity purified polyclonal antibody at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method