

Datasheet for ABIN1724661

anti-Apolipoprotein M antibody**2** Images**3** Publications[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Apolipoprotein M (APOM)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Apolipoprotein M antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of human ApoM expressed in E. coli.
Clone:	8F12C6B8
Isotype:	IgG1
Purification:	purified

Target Details

Target:	Apolipoprotein M (APOM)
Alternative Name:	ApoM (APOM Products)
Background:	Description: ApoM (apolipoprotein M, also designated G3a or NG20), with 188-amino acid protein(about 21 kDa), is an apolipoprotein and member of the lipocalin protein family. The Apo-proteins are involved in the specific binding of cellular receptors, the regulation of lipolytic enzymes, and the process of lipid exchange. The encoded protein is secreted through the

Target Details

plasma membrane but remains membrane-bound, where it is involved in lipid transport. The N-terminal region of Apo-M contains hydrophobic residues that may promote association with the phospholipid layer of lipoprotein particles. In vitro, Apo-M is glycosylated when translated in the presence of microsomes, and remains associated with the microsomes after carbonate treatment. Apo-M is expressed in liver and kidney, and is secreted into the bloodstream in HDLs, and also found in triglyceride-rich lipoproteins and LDLs.

Aliases: G3a, NG20, HSPC336, MGC22400

Molecular Weight: 21 kDa

Gene ID: 55937

HGNC: 55937

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: 1:200 - 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified antibody in PBS containing 0.03 % 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.

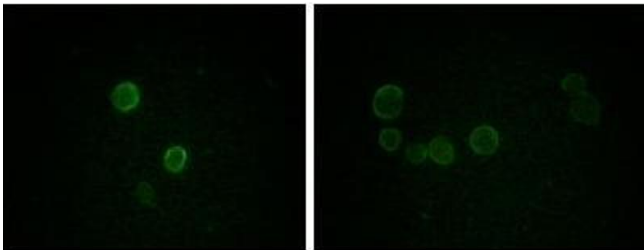
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

Publications

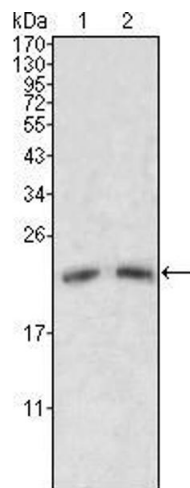
Product cited in: Pfister, Erdmann, Schneider: "[Natriuretic peptides BNP and NT-pro-BNP--the "new troponins" for estimation of heart failure?]." in: **Deutsche medizinische Wochenschrift (1946)**, Vol. 128, Issue 18, pp. 1007-12, (2003) ([PubMed](#)).

Dawson, Struthers: "Screening for treatable left ventricular abnormalities in diabetic patients." in: **Expert opinion on biological therapy**, Vol. 3, Issue 1, pp. 107-12, (2003) ([PubMed](#)).



Immunofluorescence

Image 1. Immunofluorescence analysis of methanol-fixed L-02 (left) and Cos7 (right) cells using ApoM mouse mAb showing cytoplasmic and membrane localization.



Western Blotting

Image 2. Western blot analysis using ApoM mouse mAb against human serum (1, 2).