Apolipoprotein AI Monoclonal antibody

Catalog Number: 66206-1-Ig

Basic Information

Catalog Number: 66206-1-Ig
Size: 150μl, Concentration: 1067 μg/ml by Bradford method using BSA as the standard;
Source: Mouse
Isotype: IgG2b
Immunogen Catalog Number: AG21920

GenBank Accession Number:
BC005380
GenelD (NCBI):
335
Full Name:
apolipoprotein A-I
Calculated MW:
31 kDa
Observed MW:
26-28 kDa

Purification Method:
Protein A purification
CloneNo.:
1C9G5
Recommended Dilutions:
WB 1:1000-1:4000
IHC 1:50-1:500
IF 1:50-1:500

Applications

Tested Applications:
FC, IF, IHC, WB, ELISA
Cited Applications:
WB
Species Specificity:
human, mouse
Cited Species:
human, rat, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

ApoA1 is a major protein component of high density lipoproteins (HDL) which is associated with reversed cholesterol transport, lipid/cholesterol binding, lecithin/cholesterol acyltransferase (LCAT) activation and specific receptors binding. It is synthesized in the liver and small intestine. Defects of ApoA1 cause low HDL level and systemic non-neuropathic amyloidosis. Serum concentration of ApoA1 is inversely related to the risk of developing atherosclerosis. This antibody was generated against the C-terminal region of human ApoA1.

Notable Publications

<table>
<thead>
<tr>
<th>Author</th>
<th>Pubmed ID</th>
<th>Journal</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hideaki Morishita</td>
<td>31526672</td>
<td>Elife</td>
<td>WB</td>
</tr>
<tr>
<td>Ying Zhang</td>
<td>36172518</td>
<td>Front Nutr</td>
<td>WB</td>
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<tr>
<td>Zhonghao Li</td>
<td>36498935</td>
<td>Int J Mol Sci</td>
<td>WB</td>
</tr>
</tbody>
</table>

Storage

Storage: Store at -20°C. Stable for one year after shipment.
Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20μl sizes contain 0.1% BSA
human plasma were subjected to SDS PAGE followed by western blot with 66206-1-Ig (APOA1 Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66206-1-Ig (APOA1 Antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66206-1-Ig (APOA1 Antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 66206-1-Ig (APOA1 antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L). 1x10^6 HepG2 cells were intracellularly stained with 0.4 ug Anti-Human Apolipoprotein AI (66206-1-ig, Clone:1C9G5) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).