

Biotin-conjugated APOA4 Monoclonal antibody

Catalog Number: **Biotin-66252**

Basic Information

Catalog Number:

Biotin-66252

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG12454

GenBank Accession Number:

BC074764

GeneID (NCBI):

337

UNIPROT ID:

P06727

Full Name:

apolipoprotein A-IV

Calculated MW:

396 aa, 45 kDa

Observed MW:

45-46 kDa

Purification Method:

Protein G purification

CloneNo.:

3A9A8

Recommended Dilutions:

IHC 1:50-1:500

Applications

Tested Applications:

IHC

Species Specificity:

human, mouse

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

Positive Controls:

IHC : mouse small intestine tissue,

Background Information

APOA4 is a major protein component of chylomicrons in postprandial lymph and plasma. It is synthesized in the small intestine and the liver, attached to chylomicrons by enterocytes, and secreted into intestinal lymph during fat absorption. APOA4 is intimately involved in metabolism and has protective roles in cardiovascular diseases like atherosclerosis. APOA4 can promote INS secretion and maintain glucose homeostasis. It also has potent antioxidant and anti-inflammatory properties.

Storage

Storage:

Store at -20°C. Avoid exposure to light.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

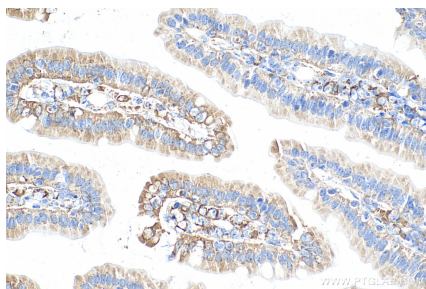
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using Biotin-66252 (APOA4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).