

For Research Use Only

Biotin-conjugated APOA4 Monoclonal antibody

Catalog Number: Biotin-66252



Basic Information

Catalog Number: Biotin-66252	GenBank Accession Number: BC074764	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 337	CloneNo.: 3A9A8
Source: Mouse	UNIPROT ID: P06727	Recommended Dilutions: IHC 1:50-1:500
Isotype: IgG1	Full Name: apolipoprotein A-IV	
Immunogen Catalog Number: AG12454	Calculated MW: 396 aa, 45 kDa	
	Observed MW: 45-46 kDa	

Applications

Tested Applications: IHC	Positive Controls: IHC : mouse small intestine tissue,
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	

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.

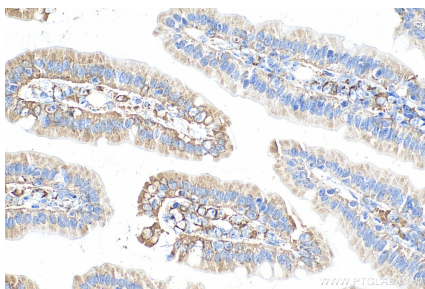
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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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).