

For Research Use Only

# APOA4 Monoclonal antibody, PBS Only



Catalog Number: 66252-1-PBS

## Basic Information

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

## Applications

**Tested Applications:**  
WB, IF, IHC, Indirect ELISA

**Species Specificity:**  
human

## 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

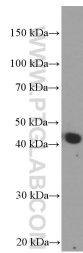
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

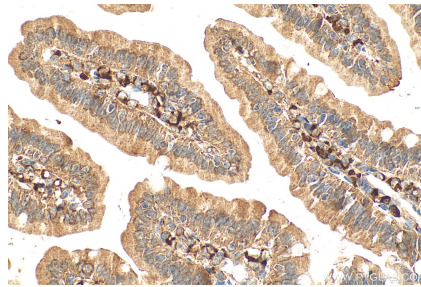
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

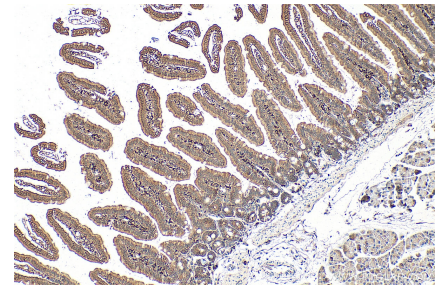
## Selected Validation Data



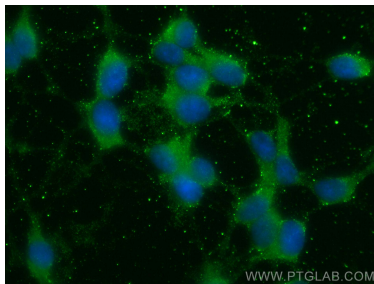
human plasma were subjected to SDS PAGE followed by western blot with 66252-1-Ig (APOA4 Antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66252-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using 66252-1-Ig (APOA4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66252-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using 66252-1-Ig (APOA4 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66252-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using APOA4 antibody (66252-1-Ig, Clone: 3A9A8 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1). This data was developed using the same antibody clone with 66252-1-PBS in a different storage buffer formulation.