

For Research Use Only

# APOD Monoclonal antibody

Catalog Number: 66215-1-Ig **2 Publications**



## Basic Information

<b>Catalog Number:</b> 66215-1-Ig	<b>GenBank Accession Number:</b> BC007402	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 940 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 347	<b>CloneNo.:</b> 1C6D10
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P05090	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF/ICC 1:400-1:1600
<b>Isotype:</b> IgG1	<b>Full Name:</b> apolipoprotein D	
<b>Immunogen Catalog Number:</b> AG21422	<b>Calculated MW:</b> 33 kDa	
	<b>Observed MW:</b> 30-33 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, FC (Intra), ELISA	<b>Positive Controls:</b> WB : human plasma tissue, human plasma, human urine sample, human placenta tissue IF/ICC : HepG2 cells,
<b>Cited Applications:</b> IF	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human	

## Background Information

Apolipoprotein D (ApoD) is a member of the lipocalin superfamily of ligand transporters, and has been implicated in the transport of small hydrophobic molecules. ApoD is also a component of plasma high-density lipoproteins (HDL). Alteration of ApoD expression has been linked to multiple neurological disorders, including Alzheimer's disease.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xi Fang	36562137	Immunology	IF,FC
Shengming Wang	39170307	Heliyon	

## Storage

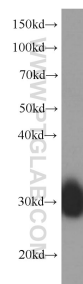
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

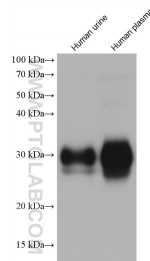
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

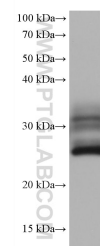
## Selected Validation Data



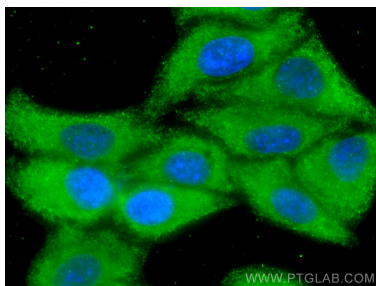
human plasma were subjected to SDS PAGE followed by western blot with 66215-1-Ig (APOD Antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



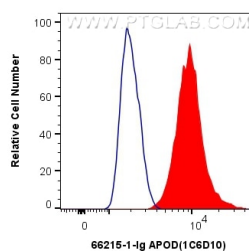
human urine sample were subjected to SDS PAGE followed by western blot with 66215-1-Ig (APOD antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



human placenta tissue were subjected to SDS PAGE followed by western blot with 66215-1-Ig (APOD antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using APOD antibody (66215-1-Ig, Clone: 1C6D10) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4 ug Anti-Human APOD (66215-1-Ig, Clone:1C6D10) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).