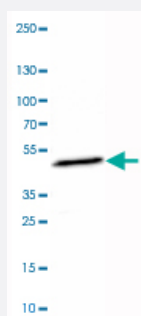


# APOA4 monoclonal antibody, clone CL0465

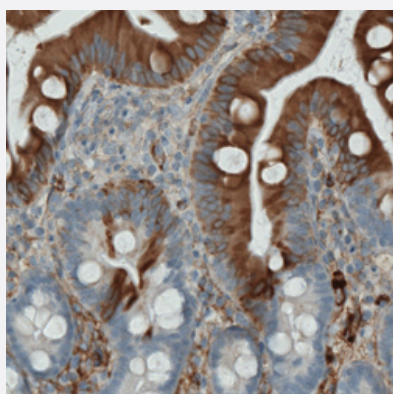
Catalog # MAB15630      Size 100 uL

## Applications



### Western Blot (Tissue lysate)

Western Blot analysis of human plasma tissue lysate with APOA4 monoclonal antibody, clone CL0465 (Cat # MAB15630).



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human duodenum with APOA4 monoclonal antibody, clone CL0465 (Cat # MAB15630) shows strong cytoplasmic positivity in glandular cells.

## Specification

|                            |                                                                                                                                           |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Mouse monoclonal antibody raised against partial recombinant human APOA4.                                                                 |
| <b>Immunogen</b>           | Recombinant protein corresponding to human APOA4.                                                                                         |
| <b>Epitope</b>             | This antibody binds to an epitope located within the peptide sequence LRQLAPLAEDVRGN as determined by overlapping synthetic peptides.     |
| <b>Sequence</b>            | LEGLTFQMKKNAEELKARISASAEELRQLAPLAEDVRGNLRGNTGLQKSLAELGGHLDQQVE<br>EFRRRVEPYGENFNKALVQQMEQLRQKLGPAGDVEGHLSEKDLRDKVNSFFSTFKEKESQ<br>DKTSLSP |

|                     |                                                                                                                                                                                          |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                | Mouse                                                                                                                                                                                    |
| Reactivity          | Human                                                                                                                                                                                    |
| Form                | Liquid                                                                                                                                                                                   |
| Purification        | Protein A purification                                                                                                                                                                   |
| Isotype             | IgG2a                                                                                                                                                                                    |
| Recommend Usage     | Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:500-1:1000)<br>Western Blot (1:500-1:1000)<br>The optimal working dilution should be determined by the end user. |
| Storage Buffer      | In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).                                                                                                                                       |
| Storage Instruction | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                                                                                   |
| Note                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                                                   |

## Applications

- Western Blot (Tissue lysate)

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## Gene Info — APOA4

|                    |                           |
|--------------------|---------------------------|
| Entrez GeneID      | <a href="#">337</a>       |
| Protein Accession# | <a href="#">P06727</a>    |
| Gene Name          | APOA4                     |
| Gene Alias         | MGC142154, MGC142156      |
| Gene Description   | apolipoprotein A-IV       |
| Omim ID            | <a href="#">107690</a>    |
| Gene Ontology      | <a href="#">Hyperlink</a> |

**Gene Summary**

Apolipoprotein (apo) A-IV gene contains 3 exons separated by two introns. A sequence polymorphism has been identified in the 3'UTR of the third exon. The primary translation product is a 396-residue preprotein which after proteolytic processing is secreted its primary site of synthesis, the intestine, in association with chylomicron particles. Although its precise function is not known, apo A-IV is a potent activator of lecithin-cholesterol acyltransferase in vitro. [provided by RefSeq]

**Other Designations**

-

**Disease**

- [Amyotrophic lateral sclerosis](#)
- [Arteriosclerosis](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Cerebrovascular Disorders](#)
- [Constriction](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Disease Progression](#)
- [Diseases in Twins](#)
- [Drug Toxicity](#)
- [Ductus Arteriosus](#)
- [Edema](#)
- [Gallstones](#)

- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Hyperlipidemia](#)
- [Hyperlipidemias](#)
- [Hyperlipoproteinemia Type II](#)
- [Hyperlipoproteinemia Type IV](#)
- [Hypertension](#)
- [Hypertriglyceridemia](#)
- [Hyperuricemia](#)
- [Infant](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Osteoporosis](#)
- [Pulmonary Disease](#)
- [Pulmonary Embolism](#)
- [Recurrence](#)
- [Stroke](#)
- [Thromboembolism](#)
- [Thrombophilia](#)
- [Thrombosis](#)

- [Urinary Bladder Neoplasms](#)
- [Venous Thrombosis](#)
- [Werner syndrome](#)