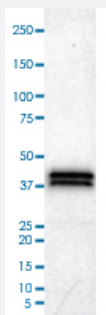


# APOL1 monoclonal antibody, clone CL0171

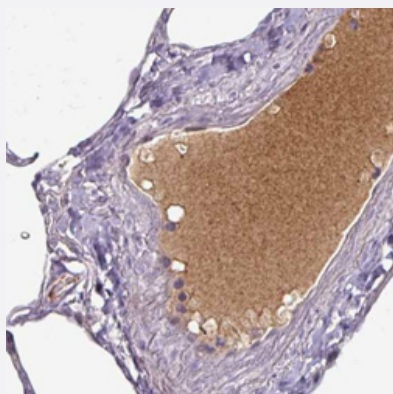
Catalog # MAB15549      Size 100 uL

## Applications



### Western Blot (Tissue lysate)

Western Blot analysis of human plasma tissue lysate with APOL1 monoclonal antibody, clone CL0171 (Cat # MAB15549).



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human lung with APOL1 monoclonal antibody, clone CL0171 (Cat # MAB15549) shows plasma positivity.

## Specification

|                            |                                                                                                                                        |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Mouse monoclonal antibody raised against partial recombinant human APOL1.                                                              |
| <b>Immunogen</b>           | Recombinant protein corresponding to human APOL1.                                                                                      |
| <b>Epitope</b>             | This antibody binds to an epitope located within the peptide sequence AEELKKVAQELEEKL as determined by overlapping synthetic peptides. |
| <b>Sequence</b>            | SNFLSLAGNTYQLTRGIGKDIRARRARANLQSVPHASASRPRVTEPISAESGEQVERVNEPSILE<br>MSRGVKLTDVAPVSFFLVLDVVYLVYESKHLHEGAKSETAEELKKVAQELEEKLNILNN       |
| <b>Host</b>                | Mouse                                                                                                                                  |

|                     |                                                                                                                                                                                           |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity          | Human                                                                                                                                                                                     |
| Form                | Liquid                                                                                                                                                                                    |
| Purification        | Protein A purification                                                                                                                                                                    |
| Isotype             | IgG1                                                                                                                                                                                      |
| Recommend Usage     | Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:2500-1:5000)<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)

Western Blot analysis of human plasma tissue lysate with APOL1 monoclonal antibody, clone CL0171 (Cat # MAB15549).

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## Gene Info — APOL1

|                    |                               |
|--------------------|-------------------------------|
| Entrez GeneID      | <a href="#">8542</a>          |
| Protein Accession# | <a href="#">O14791</a>        |
| Gene Name          | APOL1                         |
| Gene Alias         | APO-L, APOL, APOL-I           |
| Gene Description   | apolipoprotein L, 1           |
| Omim ID            | <a href="#">181500 603743</a> |
| Gene Ontology      | <a href="#">Hyperlink</a>     |

**Gene Summary**

This gene encodes a secreted high density lipoprotein which binds to apolipoprotein A-I. Apolipoprotein A-I is a relatively abundant plasma protein and is the major apoprotein of HDL. It is involved in the formation of most cholesteryl esters in plasma and also promotes efflux of cholesterol from cells. This apolipoprotein L family member may play a role in lipid exchange and transport throughout the body, as well as in reverse cholesterol transport from peripheral cells to the liver. Several different transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**Other Designations**

OTTHUMP00000028705|apolipoprotein L-II|apolipoprotein L 1

**Disease**

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- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulosclerosis](#)
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