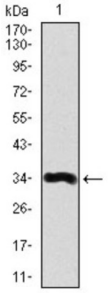
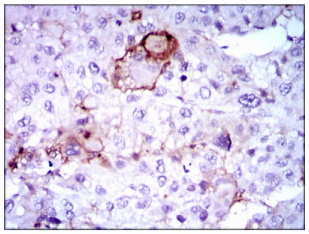
# Lipoprotein A (LPA) Antibody

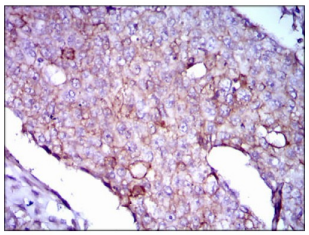
Catalogue No.:abx015913



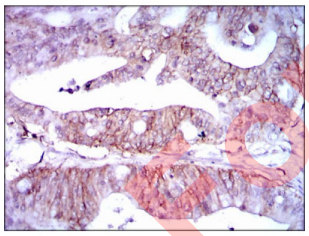

Western blot analysis using LPA antibody against human LPA recombinant protein. (Expected MW is 34.1 kDa).



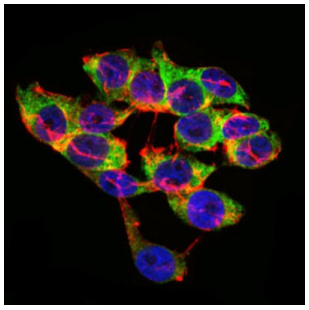
Immunohistochemical analysis of paraffin-embedded liver cancer tissues using LPA antibody with DAB staining.



Immunohistochemical analysis of paraffin-embedded breast cancer tissues using LPA antibody with DAB staining.



Immunohistochemical analysis of paraffin-embedded rectum cancer tissues using LPA antibody with DAB staining.



Immunofluorescence analysis of HepG2 cells using LPA antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with AF555 phalloidin.

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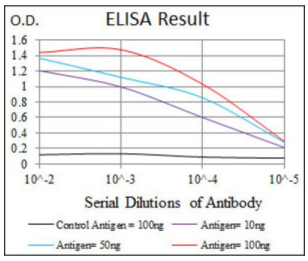


ELISA analysis. Red: Control Antigen (100 ng); Purple: Antigen (10 ng); Green: Antigen (50 ng); Blue: Antigen (100 ng).

The protein encoded by this gene is a serine proteinase that inhibits the activity of tissue-type plasminogen activator I.The encoded protein constitutes a substantial portion of lipoprotein (a) and is proteolytically cleaved, resulting in fragments that attach to atherosclerotic lesions and promote thrombogenesis.Elevated plasma levels of this protein are linked to atherosclerosis.Depending on the individual, the encoded protein contains 2-43 copies of kringle-type domains.The allele represented here contains 15 copies of the kringle-type repeats and corresponds to that found in the reference genome sequence.

| | |
|---|---|
| **Target:** | Lipoprotein A (LPA) |
| **Clonality:** | Monoclonal |
| **Reactivity:** | Human |
| **Tested Applications:** | ELISA, IHC, IF/ICC |
| **Host:** | Mouse |
| **Recommended dilutions:** | ELISA: 1/10000, IHC: 1/200 - 1/1000, IF/ICC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user. |
| **Conjugation:** | Unconjugated |
| **Immunogen:** | Purified recombinant fragment of human LPA (AA: 4330-4521) expressed in E. coli. |
| **Isotype:** | $IgG_1$ |
| **Form:** | Liquid |
| **Purification:** | Purified from ascites by Protein G chromatography. |
| **Storage:** | Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles. |
| **UniProt Primary AC:** | P08519 (**UniProt**, **ExPASy**) |
| **Gene Symbol:** | LPA |

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| | |
|---|---|
| **GeneID:** | 4018 |
| **OMIM:** | 152200 |
| **HGNC:** | 6667 |
| **Ensembl:** | ENSG00000198670 |
| **String:** | 9606.ENSP00000321334 |
| **Molecular Weight:** | 501 kDa |
| **Buffer:** | PBS, containing 0.05% sodium azide. |
| **Concentration:** | 1 mg/ml |
| **Note:** | THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION. |

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