10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

LPA Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1730a

Specification

LPA Antibody - Product Information

Application	**E, WB, IHC, IF**
Primary Accession	P08519.1
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**501kDa KDa**

Description
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.

Immunogen
Purified recombinant fragment of human LPA (AA: 4330-4521) expressed in E. Coli.

Formulation
Purified antibody in PBS with 0.05% sodium azide

LPA Antibody - Additional Information

Dilution
E~~1/10000
WB~~1/500 - 1/2000
IHC~~1/200 - 1/1000
IF~~1/200 - 1/1000

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
LPA Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

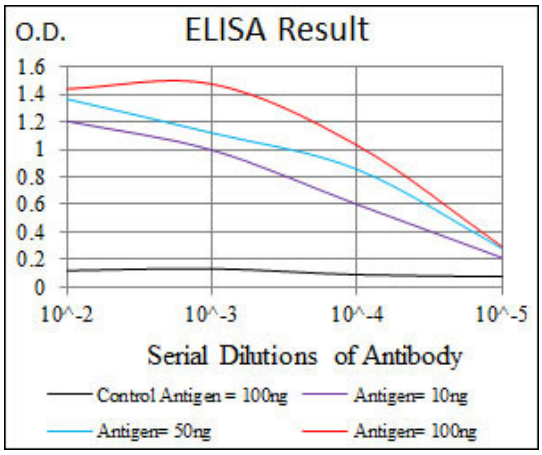
LPA Antibody - Protein Information

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LPA Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture



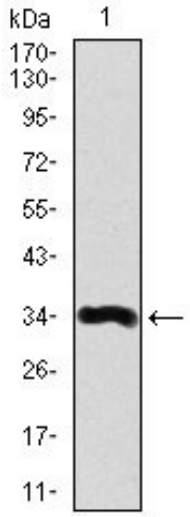


Figure 1: Western blot analysis using LPA mAb against human LPA recombinant protein. (Expected MW is 34.1 kDa)

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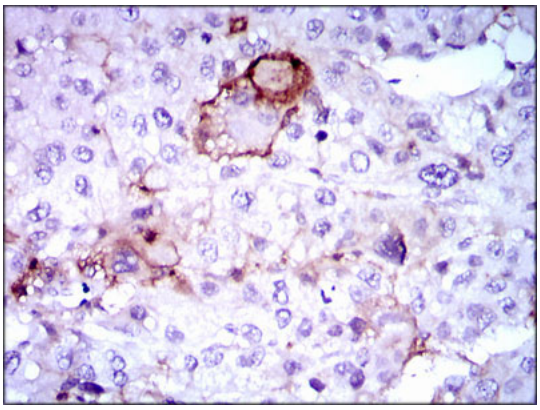


Figure 2: Immunohistochemical analysis of paraffin-embedded liver cancer tissues using LPA mouse mAb with DAB staining.

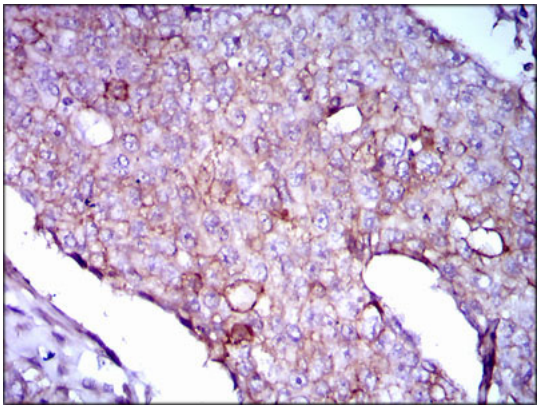


Figure 3: Immunohistochemical analysis of paraffin-embedded breast cancer tissues using LPA mouse mAb with DAB staining.

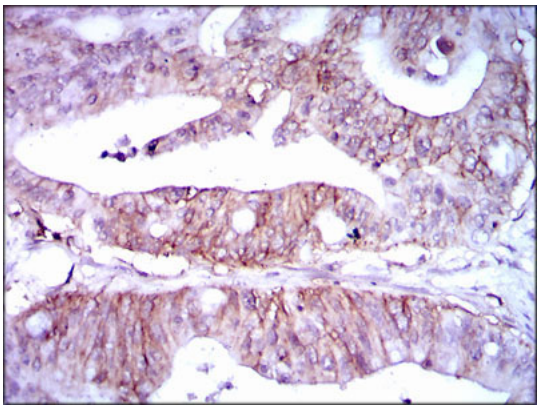


Figure 4: Immunohistochemical analysis of paraffin-embedded rectum cancer tissues using LPA mouse mAb with DAB staining.

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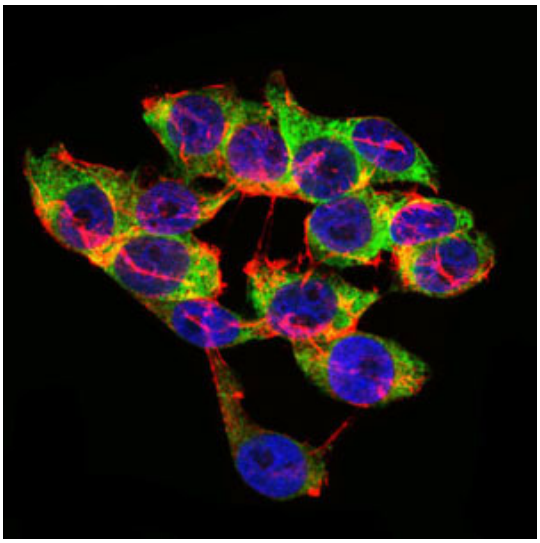


Figure 5: Immunofluorescence analysis of HepG2 cells using LPA mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

LPA Antibody - References

1.J Lipid Res. 2010 Oct;51(10):3055-61. 2.Thromb Res. 2010 Sep;126(3):222-6.