

Anti-A2M antibody



Catalog Number: 176670

General Information

Product name:

Anti-A2M antibody

Immunogen:

Applications:

WB, ICC, IHC-P, ELISA

Specificity:

Human

Antibody description:

Mouse monoclonal antibody to A2M

Properties

Preparation:

This antigen of this antibody was recombinant protein within human alpha-2-macroglobulin aa 950-1200.

Formulation:

Liquid, 1*PBS (pH7.4), 0.2% BSA, 40% Glycerol.
Preservative: 0.05% Sodium Azide.

Storage:

Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Clonality:

Monoclonal

Ig Type: IgG1

Applications

WB: 1:500-1:1,000

ICC: 1:50-1:200

IHC-P: 1:100-1:500

ELISA: 1:1,000-1:10,000

Validations

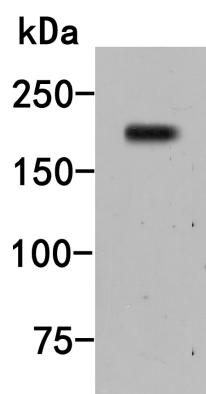


Fig1:; Western blot analysis of Alpha-2-macroglobulin on LOVO cell lysate. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:5,000 dilution was used for 1 hour at room temperature.

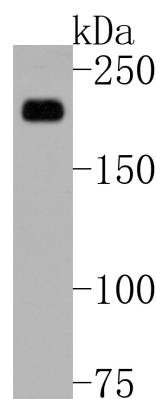


Fig2:; Western blot analysis of Alpha-2-macroglobulin on LO2 cell lysate. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:5,000 dilution was used for 1 hour at room temperature.

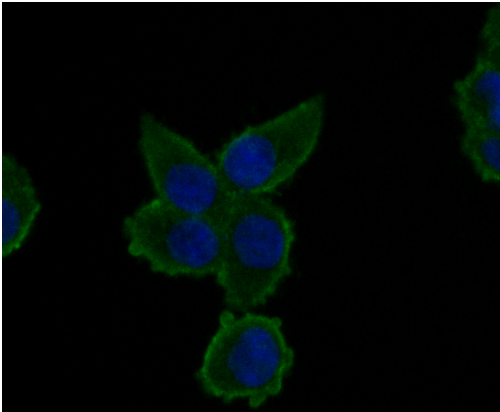


Fig3.; ICC staining of Alpha-2-macroglobulin in HeLa cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with the primary antibody (1/50) for 1 hour at room temperature, washed with PBS. Alexa Fluor®488 Goat anti-Rabbit IgG was used as the secondary antibody at 1/1,000 dilution. The nuclear counter stain is DAPI (blue).

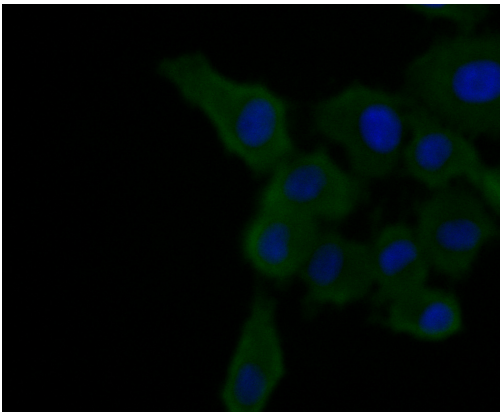


Fig4.; ICC staining of Alpha-2-macroglobulin in HepG2 cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with the primary antibody (1/100) for 1 hour at room temperature, washed with PBS. Alexa Fluor®488 Goat anti-Rabbit IgG was used as the secondary antibody at 1/1,000 dilution. The nuclear counter stain is DAPI (blue).

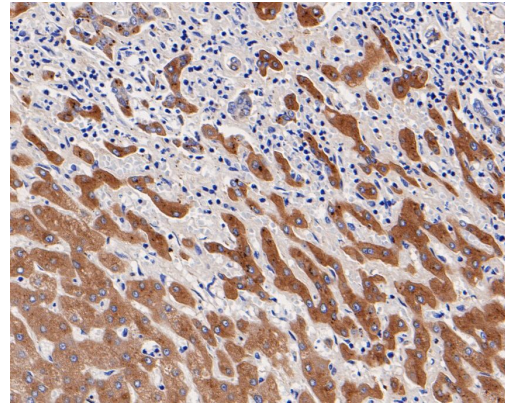


Fig5.; Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-Alpha-2-macroglobulin antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (1/500) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

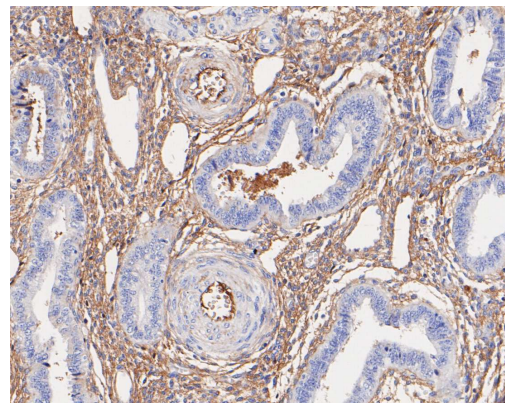


Fig6.; Immunohistochemical analysis of paraffin-embedded human uterus tissue using anti-Alpha-2-macroglobulin antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (1/500) for 30 minutes at room temperature. The detection was performed using an HRP conjugated

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compact polymer system. DAB was used as the

chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.