

A9752

Leader in Biomolecular Solutions for Life Science



Alpha-2-Macroglobulin (A2M) Rabbit mAb

Catalog No.: A9752

Recombinant

2 Publications

Basic Information

Observed MW

185kDa

Calculated MW

163kDa

Category

SMab Recombinant Monoclonal
Antibody

Applications

WB,IHC-P,IF/ICC,ELISA

Cross-Reactivity

Human,Mouse,Rat

CloneNo number

ARC1734

Background

The protein encoded by this gene is a protease inhibitor and cytokine transporter. It uses a bait-and-trap mechanism to inhibit a broad spectrum of proteases, including trypsin, thrombin and collagenase. It can also inhibit inflammatory cytokines, and it thus disrupts inflammatory cascades. Mutations in this gene are a cause of alpha-2-macroglobulin deficiency. This gene is implicated in Alzheimer's disease (AD) due to its ability to mediate the clearance and degradation of A-beta, the major component of beta-amyloid deposits. A related pseudogene, which is also located on the p arm of chromosome 12, has been identified.

Recommended Dilutions

WB 1:500 - 1:1000

IHC-P 1:200 - 1:2000

IF/ICC 1:100 - 1:400

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

2

Swiss Prot

P01023

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

A2MD; CPAMD5; FWP007; S863-7; Alpha-2-Macroglobulin (A2M)

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

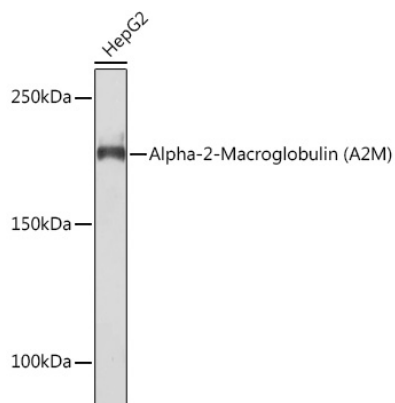
Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

Contact

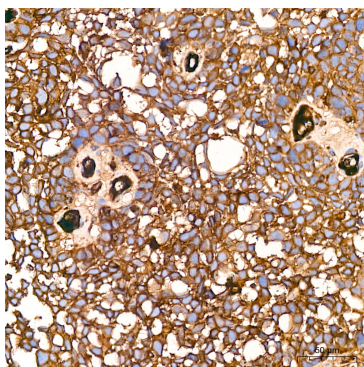


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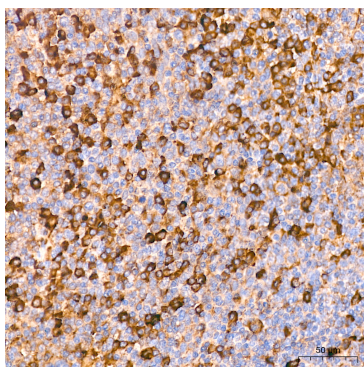
Validation Data



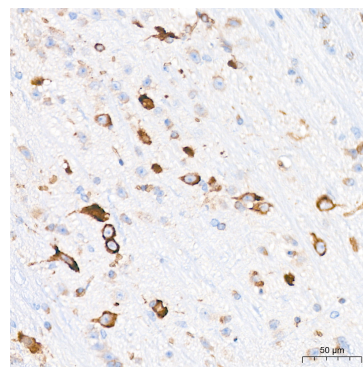
Western blot analysis of lysates from Hep G2 cells, using Alpha-2-Macroglobulin (Alpha-2-Macroglobulin (A2M)) Rabbit mAb (A9752) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



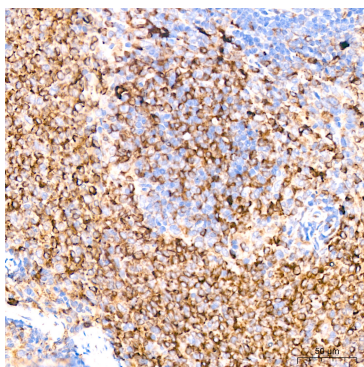
Immunohistochemistry analysis of paraffin-embedded Human cervix cancer tissue using Alpha-2-Macroglobulin (A2M) Rabbit mAb (A9752) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



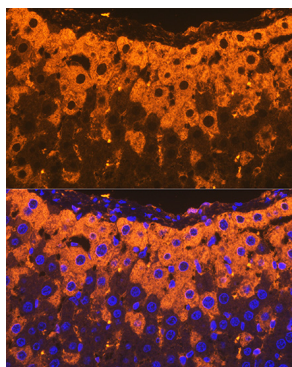
Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using Alpha-2-Macroglobulin (A2M) Rabbit mAb (A9752) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



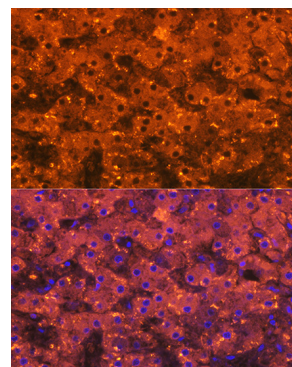
Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using Alpha-2-Macroglobulin (A2M) Rabbit mAb (A9752) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat spleen tissue using Alpha-2-Macroglobulin (A2M) Rabbit mAb (A9752) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

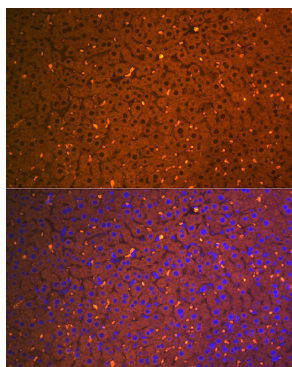


Immunofluorescence analysis of paraffin-embedded rat liver using Alpha-2-Macroglobulin (Alpha-2-Macroglobulin (A2M)) Rabbit mAb (A9752) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of paraffin-embedded human liver using Alpha-2-Macroglobulin (Alpha-2-Macroglobulin (A2M)) Rabbit mAb (A9752) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

Validation Data



Immunofluorescence analysis of paraffin-embedded mouse liver using Alpha-2-Macroglobulin (Alpha-2-Macroglobulin (A2M)) Rabbit mAb (A9752) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.