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A2M Antibody (C-term) (Ascites)

Mouse Monoclonal Antibody (Mab)
Catalog # AM2102a

Specification

A2M Antibody (C-term) (Ascites) - Product Information

Application	**WB,E**
Primary Accession	P01023
Other Accession	NP_000005
Reactivity	**Mouse**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgM**
Antigen Region	**1162-1192**

A2M Antibody (C-term) (Ascites) - Additional Information

Gene ID 2

Other Names
Alpha-2-macroglobulin, Alpha-2-M, C3 and PZP-like alpha-2-macroglobulin domain-containing protein 5, A2M, CPAMD5

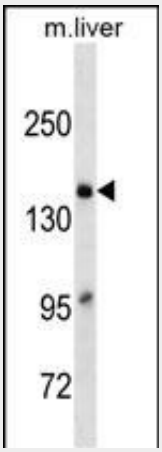
Target/Specificity
This A2M antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 1162-1192 amino acids from the C-terminal region of human A2M.

Dilution
WB~~1:500~1000

Format
Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

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

Precautions
A2M Antibody (C-term) (Ascites) is for research use only and not for use in diagnostic or therapeutic procedures.



A2M Antibody (C-term)(Ascites)(Cat. #AM2102a) western blot analysis in mouse Liver tissue lysates (35µg/lane).This demonstrates the A2M antibody detected the A2M protein (arrow).

A2M Antibody (C-term) (Ascites) - Background

Alpha-2-macroglobulin is a protease inhibitor and cytokine
transporter. It inhibits many proteases, including trypsin,
thrombin and collagenase. A2M is implicated in Alzheimer disease
(AD) due to its ability to mediate the clearance and degradation of
A-beta, the major component of beta-amyloid deposits. [provided by
RefSeq].

A2M Antibody (C-term) (Ascites) - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Bruno, E., et al. Neurosci. Lett. 482(2):112-116(2010)
Nalpas, B., et al. Gut 59(8):1120-1126(2010)
Song, H., et al. Neurosci. Lett. 479(2):143-145(2010)

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Seriramalu, R., et al. Electrophoresis 31(14):2388-2395(2010)

A2M Antibody (C-term) (Ascites) - Protein Information

Name A2M

Synonyms CPAMD5

Function
Is able to inhibit all four classes of proteinases by a unique 'trapping' mechanism. This protein has a peptide stretch, called the 'bait region' which contains specific cleavage sites for different proteinases. When a proteinase cleaves the bait region, a conformational change is induced in the protein which traps the proteinase. The entrapped enzyme remains active against low molecular weight substrates (activity against high molecular weight substrates is greatly reduced). Following cleavage in the bait region, a thioester bond is hydrolyzed and mediates the covalent binding of the protein to the proteinase.

Cellular Location
Secreted.

Tissue Location
Secreted in plasma..

A2M Antibody (C-term) (Ascites) - 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