

# A2M Antibody

Rabbit mAb Catalog # AP91252

## Specification

# A2M Antibody - Product Information

ApplicationWB, IHCPrimary AccessionP01023ClonalityMonoclonalOther NamesA2m; Alpha 2M; Alpha-2-macroglobulin; C3 and PZP-like alpha-2-macroglobulin domain-containing<br/>protein 5; CPAMD5; FWP007; S863 7;

lsotype	Rabbit IgG
Host	Rabbit
Calculated MW	163291 Da

### **A2M Antibody - Additional Information**

Purification Immunogen	Affinity-chromatography A synthesized peptide derived from human A2M
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

# A2M Antibody - 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.

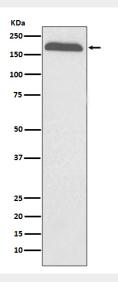
**Tissue Location** Secreted in plasma..

### **A2M Antibody - Protocols**

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

#### A2M Antibody - Images



Western blot analysis of A2M expression in human plasma lysate.