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Anti-A2M Antibody
Rabbit polyclonal antibody to A2M
Catalog # AP60210

Specification

Anti-A2M Antibody - Product Information

Application	**WB**
Primary Accession	P01023
Reactivity	**Human, Rat, Monkey**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**163291**

Anti-A2M Antibody - Additional Information

Gene ID 2

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

Target/Specificity
Recognizes endogenous levels of A2M protein.

Dilution
WB~~WB (1/500 - 1/1000)

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-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.

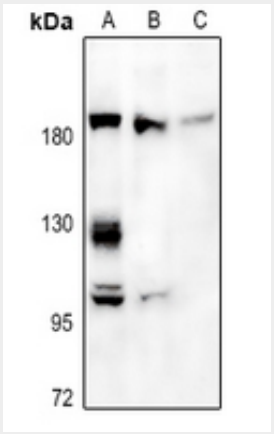
Tissue Location
Secreted in plasma..

Anti-A2M 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

Anti-A2M Antibody - Images



Western blot analysis of A2M expression in A375 (A), LO2 (B), PC12 (C) whole cell lysates.

Anti-A2M Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human A2M. The exact sequence is proprietary.